

APPENDIX D

Other Than Basic Research Grants

ACADEMIC YEAR INSTITUTES FOR COLLEGE TEACHERS

CORNELL UNIVERSITY, Ithaca, N.Y.; C. L. Comar; 11 months; \$50,600

UNIVERSITY OF KANSAS, Lawrence; William R. Scott; 9 months; \$78,300

ACADEMIC YEAR INSTITUTES FOR JUNIOR COLLEGE TEACHERS

UNIVERSITY OF THE PACIFIC, Stockton, Calif.; Emerson G. Cobb; 11 months; \$76,900

ACADEMIC YEAR INSTITUTES FOR HIGH SCHOOL AND COLLEGE TEACHERS

UNIVERSITY OF COLORADO, Boulder; John M. Cleveland; 11 months; \$304,200

HARVARD UNIVERSITY, Cambridge, Mass.; Victor Guillemin, Jr.; 11 months; \$318,100

UNIVERSITY OF ILLINOIS, Urbana; Joseph Landin; 12 months; \$305,800

OHIO STATE UNIVERSITY, Columbus; John S. Richardson; 11 months; \$295,600

WASHINGTON UNIVERSITY, St. Louis, Mo.; E. U. Condon; 11 months; \$282,900

ACADEMIC YEAR INSTITUTES FOR HIGH SCHOOL TEACHERS

ARIZONA STATE UNIVERSITY, Tempe; Ernest E. Snyder, 11 months; \$279,700

ATLANTA UNIVERSITY, Atlanta, Ga.; K. A. Huggins; 11 months; \$265,500

BOSTON COLLEGE, Chestnut Hill, Mass.; Stanley J. Bezuska, S. J.; 10 months; \$237,200

BOWDOIN COLLEGE, Brunswick, Maine; Reinhard L. Korgen; 9 months; \$60,700

Reinhard L. Korgen; 1962-63 Academic Year; 9 months; \$60,700

BOWLING GREEN STATE UNIVERSITY, Bowling Green, Ohio; Bruce R. Bogell; 11 months; \$198,600

BROWN UNIVERSITY, Providence, R.I.; Elmer R. Smith; 11 months; \$288,900

CORNELL UNIVERSITY, Ithaca, N.Y.; Damon Boynton; 12 months; \$212,400

UNIVERSITY OF GEORGIA, Athens; Jonathan J. Westfall; 11 months; \$280,800

UNIVERSITY OF HAWAII, Honolulu; Michael M. Frodyma; 9 months; \$83,800

IOWA STATE TEACHERS COLLEGE, Cedar Falls; Robert A. Rogers; 11 months; \$295,500

LOUISIANA STATE UNIVERSITY, Baton Rouge; Houston T. Karnes; 11 months; \$288,000

MICHIGAN STATE UNIVERSITY, East Lansing; John M. Mason; 11 months; \$268,800

UNIVERSITY OF MICHIGAN, Ann Arbor; Leigh C. Anderson; 11 months; \$278,000

UNIVERSITY OF MISSISSIPPI, University; Noel A. Childress; 10 months; \$186,300

NEW MEXICO HIGHLANDS UNIVERSITY, Las Vegas; E. Gerald Meyer; 11 months; \$293,100

UNIVERSITY OF NEW MEXICO, Albuquerque; Wilson H. Ivins; 10 months; \$240,300

UNIVERSITY OF NORTH CAROLINA, Chapel Hill; E. C. Markham; 11 months; \$298,100

UNIVERSITY OF NORTH DAKOTA, Grand Forks; J. Donald Henderson; 11 months; \$246,800

UNIVERSITY OF NOTRE DAME, Notre Dame, Ind.; Arnold E. Ross; 11 months; \$245,100

OKLAHOMA STATE UNIVERSITY, Stillwater; James H. Zant; 11 months; \$191,700

OREGON STATE COLLEGE, Corvallis; Stanley E. Williamson; 11 months; \$285,900

UNIVERSITY OF OREGON, Eugene; Sanford S. Tepfer; 10 months; \$88,200

Sanford S. Tepfer; 1962-63 Academic Year; 11 months; \$98,900

UNIVERSITY OF PENNSYLVANIA, Philadelphia; J. F. Hazel; 11 months; \$252,800

UNIVERSITY OF PUERTO RICO, Rio Piedras; Mariano Garcia; 10 months; \$124,100

RUTGERS, THE STATE UNIVERSITY, New Brunswick, N.J.; Robert L. Swain; 11 months; \$185,900

UNIVERSITY OF SOUTH CAROLINA, Columbia; W. L. Williams; 11 months; \$179,200

STANFORD UNIVERSITY, Stanford, Calif.; Harold M. Bacon; 9 months; \$282,400

STATE UNIVERSITY OF SOUTH DAKOTA, Vermillion; Charles M. Vaughn; 11 months; \$302,100

SYRACUSE UNIVERSITY, Syracuse, N.Y.; Alfred T. Collette; 11 months; \$242,700

TEMPLE UNIVERSITY, Philadelphia, Pa.; E. L. Offenbacher; 11 months; \$137,000

UNIVERSITY OF TEXAS, Austin; Robert N. Little; 11 months; \$273,300

UNIVERSITY OF UTAH, Salt Lake City; Thomas J. Parmley; 11 months; \$300,100

UNIVERSITY OF VIRGINIA, Charlottesville; James W. Cole, Jr.; 11 months; \$270,400

WEST VIRGINIA UNIVERSITY, Morgantown; James B. Hickman; 9 months; \$167,100

UNIVERSITY OF WISCONSIN, Madison; Donald H. Bucklin; 11 months; \$311,800

IN-SERVICE INSTITUTES FOR SECONDARY SCHOOL TEACHERS

DELPHI COLLEGE, Garden City, N.Y.; Donald Solitar; 9 months; \$39,140

AGRICULTURAL AND MECHANICAL COLLEGE OF TEXAS, College Station; Edmund C. Klipple; 9 months; \$5,880

AGRICULTURAL AND TECHNICAL COLLEGE OF NORTH CAROLINA, Greensboro; George C. Royal, Jr.; 9 months; \$9,750
UNIVERSITY OF AKRON, Akron, Ohio; Mabel M. Riedinger; 9 months; \$8,580
UNIVERSITY OF ALABAMA, University; C. L. Seebeck, Jr.; 9 months; \$20,820
ALBANY STATE COLLEGE, Albany, Ga.; William E. Johnson, Jr.; 9 months; \$19,180
ALBERTUS MAGNUS COLLEGE, New Haven, Conn.; Florence D. Jacobson; 8 months; \$10,820
ALBION COLLEGE, Albion, Mich.; Paul H. Carnell; 9 months; \$11,470
ALBRIGHT COLLEGE, Reading, Pa.; Richard J. Kohlmeier; 9 months; \$4,530
ALFRED UNIVERSITY, Alfred, N.Y.; E. Gordon Ogden; 9 months; \$9,850
ALLEGHENY COLLEGE, Meadville, Pa.; Frederick H. Steen; 6 months; \$3,090
AMERICAN UNIVERSITY, Washington, D.C.; Leo Schubert; 9 months; \$22,290
ANDREWS UNIVERSITY, Berrien Springs, Mich.; Harold T. Jones; 8 months; \$3,730
UNIVERSITY OF ARIZONA, Tucson; Millard G. Seeley; 9 months; \$6,180
 Arthur H. Steinbrenner; 9 months; \$6,570
ARIZONA STATE UNIVERSITY, Tempe; Ernest E. Snyder; 9 months; \$11,140
UNIVERSITY OF ARKANSAS, Fayetteville; William R. Orton; 9 months; \$8,760
AUSTIN PEAY STATE COLLEGE, Clarksville, Tenn.; William G. Stokes; 9 months; \$5,880
BALDWIN-WALLACE COLLEGE, Berea, Ohio; Dean L. Robb; 9 months; \$4,590
BALL STATE TEACHERS COLLEGE, Muncie, Ind.; P. D. Edwards; 9 months; \$15,020
BARAT COLLEGE OF THE SACRED HEART, Lake Forest, Ill.; Charlotte Dames; 9 months; \$10,050
BEMIDJI STATE COLLEGE, Bemidji, Minn.; W. Richard Slinkman; 9 months; \$5,970
BOSTON COLLEGE, Chestnut Hill, Mass.; Stanley J. Bezuska; 8 months; \$15,850
 William G. Guindon; 9 months; \$6,290
BOWLING GREEN STATE UNIVERSITY, Bowling Green, Ohio; W. H. Hall; 9 months; \$5,670
BROOKLYN COLLEGE, Brooklyn, N.Y.; Meyer Jordon; 9 months; \$6,060
BROWN UNIVERSITY, Providence, R.I.; Charles B. MacKay; 9 months; \$6,220
BUCKNELL UNIVERSITY, Lewisburg, Pa.; William K. Smith; 9 months; \$5,740
UNIVERSITY OF BUFFALO, N.Y.; Harriet F. Montague; 9 months; \$6,520
 Edith R. Schneckenburger; 9 months; \$6,750
BUTLER UNIVERSITY, Indianapolis, Ind.; Harry E. Crull; 9 months; \$9,750
UNIVERSITY OF CALIFORNIA, Berkeley; Clifford Bell, Los Angeles; 8 months; \$5,940
 Clifford Bell, Los Angeles; 8 months; \$6,850
 Clifford Bell, Los Angeles; 8 months; \$6,540
 Clifford Bell, Los Angeles; 8 months; \$4,240
 Clifford Bell, Los Angeles; 8 months; \$4,780
 Paul B. Johnson, Los Angeles; 8 months; \$8,920
CAPITAL UNIVERSITY, Columbus, Ohio; Clarence H. Heinke; 9 months; \$6,870
CENTENARY COLLEGE, Shreveport, La.; Virginia Carlton; 9 months; \$6,700
CENTRAL MICHIGAN UNIVERSITY, Mount Pleasant; Malcolm H. Filson; 10 months; \$10,290
 Lauren G. Woodby; 9 months; \$22,040
CENTRAL MISSOURI STATE COLLEGE, Warrensburg; Charles E. Kelley; 9 months; \$8,110
CENTRAL STATE COLLEGE, Edmond, Okla.; Earl C. Rice; 9 months; \$8,390
UNIVERSITY OF CHATTANOOGA, Chattanooga, Tenn.; Kenneth A. Fry; 9 months; \$8,020
 Kenneth A. Fry; 9 months; \$9,840
UNIVERSITY OF CINCINNATI, Ohio; I. A. Barnett; 9 months; \$17,900
THE CITY COLLEGE, N.Y., N.Y.; W. I. Pearman; 9 months; \$10,570
 W. I. Pearman; 9 months; \$7,880
UNIVERSITY OF COLORADO, Boulder; Burton W. Jones; 9 months; \$9,100
 Newell Younggren; 9 months; \$11,170
COLORADO COLLEGE, Colorado Springs; Richard G. Beidleman; 9 months; \$6,130
COLORADO SCHOOL OF MINES, Golden; James L. Hall; 9 months; \$3,340
COLORADO STATE COLLEGE, Greeley; Albert J. Hendricks, Jr.; 8 months; \$8,140
 O. W. Tollefson; 4 months; \$4,300
CONNECTICUT COLLEGE, New London; Alice T. Schafer; 8 months; \$7,820
UNIVERSITY OF CONNECTICUT, Storrs; David J. Blich; 9 months; \$12,870
CORNELL UNIVERSITY, Ithaca, N.Y.; R. William Shaw; 9 months; \$12,950
DARTMOUTH COLLEGE, Hanover, N.H.; Charles J. Lyon; 5 months; \$4,620
UNIVERSITY OF DAYTON, Dayton, Ohio; K. C. Schraut; 9 months; \$8,660
UNIVERSITY OF DELAWARE, Newark; John A. Brown; 9 months; \$4,950
DEPAUL UNIVERSITY, Chicago, Ill.; Willis B. Caton; 9 months; \$12,370
UNIVERSITY OF DETROIT, Mich.; Lyle E. Mehlenbacher; 10 months; \$13,580
DISTRICT OF COLUMBIA TEACHERS COLLEGE, Washington, D.C.; Daniel B. Lloyd; 9 months; \$8,400
DOMINICAN COLLEGE OF SAN RAFAEL, San Rafael, Calif.; Mary Augusta; 8 months; \$9,130
DRAKE UNIVERSITY, Des Moines, Iowa; Earle L. Canfield; 9 months; \$15,570
DREW UNIVERSITY, Madison, N.J.; Bernard Greenspan; 8 months; \$5,160
EARLHAM COLLEGE, Richmond, Ind.; Roland F. Smith; 9 months; \$4,200
EASTERN MONTANA COLLEGE OF EDUCATION, Billings; George H. Gloege; 4 months; \$4,120
 Oliver W. Peterson; 4 months; \$5,110
EASTERN NAZARENE COLLEGE, Wollaston, Mass.; P. Calvin Maybury; 9 months; \$13,130
EAST TEXAS STATE COLLEGE, Commerce; Charles S. Rohrer; 9 months; \$12,020

Robert K. Williams; 9 months; \$7,310
EMORY AND HENRY COLLEGE, Emory, Va.; George M. Speed; 9 months; \$4,220
EMORY UNIVERSITY, Atlanta, Ga.; Charles T. Lester; 7 months; \$10,940
FAIRFIELD UNIVERSITY, Fairfield, Conn.; John A. Barone; 9 months; \$10,230
FENN COLLEGE, Cleveland, Ohio; Walter R. Van Voorhis; 8 months; \$12,930
FLORIDA STATE UNIVERSITY, Tallahassee; J. Stanley Marshall; 9 months; \$11,750
 J. Stanley Marshall; 10 months; \$22,790
 J. Stanley Marshall; 10 months; \$9,060
UNIVERSITY OF FLORIDA, Gainesville; G. Ray Noggle; 10 months; \$22,540
 Caspar Rappenecker, Jacksonville; 9 months; \$15,330
 Kenneth P. Kidd, Orlando; 9 months; \$15,320
 N. Eldred Bingham, Tampa; 9 months; \$28,710
FORDHAM UNIVERSITY, N.Y., N.Y.; Charles J. Lewis; 9 months; \$11,740
FRANKLIN AND MARSHALL COLLEGE, Lancaster, Pa.; Bernard Jacobson; 9 months; \$10,840
GEORGETOWN UNIVERSITY, Washington, D.C.; Matthew P. Thekaekara; 9 months; \$10,310
UNIVERSITY OF GEORGIA, Athens; Charles L. Koelsche; 9 months; \$13,000
GLASSBORO STATE COLLEGE, Glassboro, N.J.; Warren G. Roome; 9 months; \$13,050
HAMPTON INSTITUTE, Hampton, Va.; Victor H. Fields; 8 months; \$13,800
UNIVERSITY OF HAWAII, Honolulu; Jimmie B. Smith; 6 months; \$10,430
HENDRIX COLLEGE, Conway, Ark.; John E. Stuckey; 9 months; \$16,200
HOBERT AND WILLIAM SMITH COLLEGES, Geneva, N.Y.; Robert L. Beinert; 8 months; \$3,520
COLLEGE OF THE HOLY CROSS, Worcester, Mass.; John W. Flavin; 8 months; \$6,240
 William E. Hartnett; 8 months; \$10,570
HOLY NAMES COLLEGE, Spokane, Wash.; Mary Eugene Gautereaux; 8 months; \$9,340
HOWARD PAYNE COLLEGE, Brownwood, Tex.; Leonard R. Daniel; 9 months; \$2,500
 Leonard R. Daniel; 9 months; \$8,050
HUMBOLDT STATE COLLEGE FOUNDATION, Arcata, Calif.; Orval M. Klose; 8 months; \$8,040
HUNTER COLLEGE, N.Y., N.Y.; Jewell Hughes Bushey; 9 months; \$14,090
ILLINOIS INSTITUTE OF TECHNOLOGY, Chicago; Halm Reingold; 9 months; \$60,550
IMMACULATE HEART COLLEGE, Los Angeles, Calif.; Eugene T. Spain; 9 months; \$5,110
INCARNATE WORD COLLEGE, San Antonio, Tex.; Joseph Marie; 9 months; \$10,300
INDIANA CENTRAL COLLEGE, Indianapolis; Robert M. Brooker; 9 months; \$7,680
INDIANA STATE TEACHERS COLLEGE, Terre Haute, Ind.; John C. Hook; 8 months; \$7,350
JOHN CARROLL UNIVERSITY, Cleveland, Ohio; Henry F. Birkenhauer; 9 months; \$3,960
KANSAS STATE COLLEGE OF PITTSBURG; R. G. Smith; 9 months; \$13,800
KANSAS STATE TEACHERS COLLEGE, Emporia; Ted F. Andrews; 8 months; \$24,330
KENT STATE UNIVERSITY, Kent, Ohio; Kenneth B. Cummins; 9 months; \$8,630
 Kenneth B. Cummins; 9 months; \$5,990
KNOXVILLE COLLEGE, Knoxville, Tenn.; Robert H. Harvey; 8 months; \$9,950
LAFAYETTE COLLEGE, Easton, Pa.; B. E. Rhoades; 9 months; \$5,640
LAWRENCE COLLEGE, Appleton, Wis.; Robert M. Rosenberg; 9 months; \$9,740
LE MOYNE COLLEGE, Memphis, Tenn.; W. W. Gibson; 9 months; \$10,920
LEWIS AND CLARK COLLEGE, Portland, Oreg.; Elvy Fredrickson; 9 months; \$6,590
LONG BEACH STATE COLLEGE FOUNDATION, Calif.; John J. Baird; 9 months; \$11,600
LOUISIANA COLLEGE, Pineville; Henry Donohoe; 9 months; \$6,990
LOUISIANA STATE UNIVERSITY, Baton Rouge; Henry G. Jacob, Jr.; 9 months; \$7,700
 Henry G. Jacob, Jr.; 9 months; \$12,970
UNIVERSITY OF LOUISVILLE, Louisville, Ky.; Bruce B. Vance; 9 months; \$5,100
LOYOLA UNIVERSITY, New Orleans, La.; F. A. Benedetto; 9 months; \$1,290
 F. A. Benedetto; 9 months; \$8,290
 H. R. Jolley; 9 months; \$10,320
 John F. Keller; 9 months; \$8,920
MADISON COLLEGE, Harrisonburg, Va.; J. Emmert Ikenberry; 9 months; \$5,320
MANCHESTER COLLEGE, North Manchester, Ind.; Carl W. Holl; 8 months; \$9,860
MANHATTAN COLLEGE, New York, N.Y.; Arthur B. Kemper; 8 months; \$6,100
 Luke V. Titone; 9 months; \$11,270
 Bernard Alfred Welch; 9 months; \$11,240
MARQUETTE UNIVERSITY, Milwaukee, Wis.; Arthur G. Barkow; 8 months; \$6,790
 Robert C. Craig; 9 months; \$11,170
UNIVERSITY OF MARYLAND, College Park; Richard A. Good; 9 months; \$16,690
 Howard Laster; 9 months; \$20,740
MARYLHURST COLLEGE, Marylhurst, Oreg.; Mary Loretta Ann; 8 months; \$5,440
MCMURREE STATE COLLEGE, Lake Charles, La.; S. M. Spencer; 9 months; \$10,060
MEMPHIS STATE UNIVERSITY, Memphis, Tenn.; R. W. Johnson; 9 months; \$8,400
UNIVERSITY OF MIAMI, Coral Gables, Fla.; J. H. Curtiss; 9 months; \$19,850
UNIVERSITY OF MICHIGAN, Ann Arbor; Charles Brumfiel; 9 months; \$11,450
MIDDLE TENNESSEE STATE COLLEGE, Murfreesboro; J. Eldred Wiser; 9 months; \$7,240
MISSISSIPPI COLLEGE, Clinton; Archie H. Germany; 9 months; \$16,790
MISSISSIPPI SOUTHERN COLLEGE, Hattiesburg; Virginia Felder; 9 months; \$9,560
MISSISSIPPI STATE UNIVERSITY, State College; R. D. Boswell, Jr.; 9 months; \$10,690
UNIVERSITY OF MISSOURI, Columbia; Harold Q. Fuller, Rolla; 8 months; \$9,330
MONTANA STATE UNIVERSITY, Missoula; William E. Ballard; 5 months; \$19,590
 James W. Gebhart; 9 months; \$3,530

MONTCLAIR STATE COLLEGE, Upper Montclair, N.J.; Max A. Sobel; 9 months; \$12,150
MOREHEAD STATE COLLEGE, Morehead, Ky.; William B. Owsley; 9 months; \$4,640
MOUNT MERCY COLLEGE, Pittsburgh, Pa.; Cornelius W. Krecke; 9 months, \$8,625
 William A. Uricchio; 8 months; \$6,640
MURRAY STATE COLLEGE FOUNDATION, Murray, Ky.; Alfred Wolfson; 9 months; \$9,780
NEBRASKA WESLEYAN UNIVERSITY, Lincoln; Walter R. French; 9 months; \$1,630
 Walter R. French, Jr.; 9 months; \$13,600
UNIVERSITY OF NEVADA, Reno; E. M. Beesley; 10 months; \$15,450
NEWARK COLLEGE OF ENGINEERING RESEARCH FOUNDATION, N.J.; Herbert Barkan; 9 months; \$7,800
 Paul O. Hoffmann; 9 months; \$4,430
 Charles Koren; 9 months; \$3,670
UNIVERSITY OF NEW HAMPSHIRE, Durham; M. Evans Munroe; 9 months; \$2,150
 Shepley L. Ross; 9 months; \$13,470
UNIVERSITY OF NEW MEXICO, Albuquerque; Merle Mitchell; 9 months; \$5,230
NEW YORK UNIVERSITY, New York, N.Y.; Morris Kline; 9 months; \$26,430
UNIVERSITY OF NORTH CAROLINA, Chapel Hill; Sherwood Githens, Jr.; 9 months; \$5,080
 William A. White; 8 months; \$8,300
 Hollis J. Rogers, Greensboro; 9 months; \$17,000
 H. V. Park, Raleigh; 9 months; \$6,770
NORTH DAKOTA STATE UNIVERSITY, Fargo; Joel W. Broberg; 9 months; \$13,440
NORTHERN ILLINOIS UNIVERSITY, DeKalb; Loren T. Caldwell; 8 months; \$8,600
NORTHERN MICHIGAN COLLEGE, Marquette; W. James Merry; 8 months; \$10,700
NORTHLAND COLLEGE, Ashland, Wis.; Jesse M. Caskey; 8 months; \$14,850
NORTH TEXAS STATE COLLEGE, Denton; Robert C. Sherman; 9 months; \$15,400
NORTHWESTERN STATE COLLEGE, Alva, Okla.; J. Louis Bouchard; 9 months; \$6,490
NORTHWESTERN UNIVERSITY, Evanston, Ill.; E. H. C. Hildebrandt; 9 months; \$11,520
NORWICH UNIVERSITY, Northfield, Vt.; Edward A. Race; 8 months; \$3,060
OHIO STATE UNIVERSITY, Columbus; William R. Riley; 9 months; \$10,410
UNIVERSITY OF OKLAHOMA, Norman; Richard V. Andree; 9 months; \$4,280
 Richard V. Andree; 9 months; \$27,650
UNIVERSITY OF OMAHA, Omaha, Nebr.; Merle E. Brooks; 9 months; \$20,820
OREGON STATE COLLEGE, Corvallis; Albert R. Poole; 8 months; \$3,370
 W. D. Wilkinson; 9 months; \$5,840
OREGON STATE SYSTEM OF HIGHER EDUCATION, Portland; J. Richard Byrne, Portland State College; 9 months; \$4,190
UNIVERSITY OF OREGON, Eugene; A. F. Moursund; 8 months; \$3,700
PACE COLLEGE, New York, N.Y.; Edward Bitter; 8 months; \$13,920
PAN AMERICAN COLLEGE, Edinburg, Tex.; Sidney S. Draeger; 9 months; \$10,340
UNIVERSITY OF PENNSYLVANIA, Philadelphia; J. F. Hazel; 9 months; \$12,300
PENNSYLVANIA STATE UNIVERSITY, University Park; William H. Powers; 9 months; \$8,600
 William H. Powers; 10 months; \$39,530
UNIVERSITY OF PITTSBURGH, Pa.; Peter Gray; 8 months; \$7,780
 John C. Knipp; 8 months; \$9,060
PRAIRIE VIEW AGRICULTURAL AND MECHANICAL COLLEGE, Prairie View, Tex.; E. E. O'Banion; 9 months; \$18,570
UNIVERSITY OF PUERTO RICO, Rio Piedras; Augusto Bobonis; 9 months; \$14,480
 Leticia del Rosario; 9 months; \$9,810
 Virgilio Biagit, Jr.; 9 months; \$9,230
PURDUE UNIVERSITY, Lafayette, Ind.; M. Wiles Keller; 9 months; \$43,480
 Joseph D. Novak; 9 months; \$39,450
QUEENS COLLEGE, Flushing, N.Y.; Nathan S. Washton; 9 months; \$12,790
UNIVERSITY OF REDLANDS, Redlands, Calif.; Paul R. Gleason; 8 months; \$10,810
REED COLLEGE, Portland, Ore.; Arthur F. Scott; 9 months; \$15,800
RESEARCH FOUNDATION OF STATE UNIVERSITY OF NEW YORK, Albany; Emery L. Will, Oneonta; 9 months; \$5,490
RESEARCH FOUNDATION OF THE UNIVERSITY OF TOLEDO, Toledo, Ohio; Archie N. Solberg; 9 months; \$15,280
RICKS COLLEGE, Rexburg, Idaho; Merle R. Fisher; 9 months; \$7,620
UNIVERSITY OF ROCHESTER, N.Y.; John J. Montean; 9 months; \$8,500
ROCKHURST COLLEGE, Kansas City, Mo.; William C. Doyle; 9 months; \$8,050
RUTGERS, THE STATE UNIVERSITY, New Brunswick, N.J.; Joshua Barlaz; 9 months; \$13,740
 Joshua Barlaz; 9 months; \$10,920
SACRAMENTO STATE COLLEGE FOUNDATION, Calif.; Stanley P. Hughart; 9 months; \$18,970
ST. CLOUD STATE COLLEGE, St. Cloud, Minn.; Harold Hopkins; 5 months; \$3,220
ST. JOSEPH COLLEGE, West Hartford, Conn.; Maria Clare Markham; 9 months; \$6,220
ST. LOUIS UNIVERSITY, St. Louis, Mo.; John J. Andrews; 9 months; \$3,990
ST. MARY'S UNIVERSITY OF SAN ANTONIO, San Antonio, Tex.; James F. Gray; 8 months; \$9,110
ST. PETER'S COLLEGE, Jersey City, N.J.; Frank J. McMackin; 9 months; \$9,450
UNIVERSITY OF SAN FRANCISCO, Calif.; Edward J. Farrell; 9 months; \$7,210
SAN JOSE STATE COLLEGE CORP., Calif.; Rodney E. Anderson; 9 months; \$18,270
 Laurence E. Wilson; 9 months; \$13,160
UNIVERSITY OF SANTA CLARA, Santa Clara, Calif.; Irving Sussman; 9 months; \$28,500
SARAH LAWRENCE COLLEGE, Bronxville, N.Y.; Edward J. Cogan; 8 months; \$14,620
UNIVERSITY OF SCRANTON, Scranton, Pa.; Joseph A. Rock; 9 months; \$4,860
 Joseph A. Rock; 9 months; \$4,350
SHORTER COLLEGE, Rome, Ga.; Lewis Lipps; 9 months; \$13,510

SOUTH CAROLINA STATE COLLEGE, Orangeburg; George W. Hunter; 9 months; \$30,470

SOUTHEASTERN STATE COLLEGE, Durant, Okla.; Leslie A. Dwight; 9 months; \$5,630
Ernest Sturch, Jr., 9 months; \$4,900

SOUTHERN UNIVERSITY AGRICULTURAL AND MECHANICAL COLLEGE, Baton Rouge, La.; Russell M. Ampey; 9 months; 8,470

UNIVERSITY OF SOUTHERN CALIFORNIA, Los Angeles; John W. Reith; 10 months, \$13,820
Paul A. White; 9 months; \$21,670

UNIVERSITY OF SOUTHWESTERN LOUISIANA, Lafayette; James R. Oliver; 9 months; \$26,100

SOUTHWESTERN AT MEMPHIS, Tenn.; Jack U. Russell; 9 months; \$4,430
Arlo I. Smith; 9 months; \$9,180

STATE COLLEGE AT SALEM, Mass.; Thomas I. Ryan; 8 months; \$15,200

STATE UNIVERSITY OF IOWA, Iowa City; Robert E. Yager; 7 months; \$15,860

STATE UNIVERSITY OF SOUTH DAKOTA, Vermillion; Theodore L. Reid; 9 months; \$29,360

STEPHEN F. AUSTIN STATE COLLEGE, Nacogdoches, Tex.; W. I. Layton, 9 months; \$7,280

STETSON UNIVERSITY, De Land, Fla.; Gene W. Medlin; 9 months; \$6,850

TALLADEGA COLLEGE, Talladega, Ala.; Cohen T. Simpson; 7 months; \$5,000

TEACHERS COLLEGE, COLUMBIA UNIVERSITY, N.Y., N.Y.; Howard F. Fehr; 8 months; \$14,600

TEMPLE UNIVERSITY, Philadelphia, Pa.; Leonard Muldawer; 9 months; \$17,330

TENNESSEE AGRICULTURAL AND INDUSTRIAL STATE UNIVERSITY, Nashville; William N. Jackson; 9 months; \$18,510

TENNESSEE POLYTECHNIC INSTITUTE, Cookeville; G. B. Pennebaker; 9 months; \$12,540

UNIVERSITY OF TENNESSEE, Knoxville; James M. Moore; 9 months; \$11,200

TEXAS WOMAN'S UNIVERSITY, Denton; Harold T. Baker; 9 months; \$4,700

UNIVERSITY OF TOLEDO, Ohio; Carroll E. Amos; 9 months; \$9,410

TRENTON STATE COLLEGE, N.J.; Robert V. Price; 9 months; \$10,850

UNION COLLEGE AND UNIVERSITY, Schenectady, N.Y.; C. W. Graves; 9 months; \$17,720

UNIVERSITY OF UTAH, Salt Lake City; E. Allan Davis; 9 months; \$8,220

VILLANOVA UNIVERSITY, Villanova, Pa.; J. Bernard Hubbert; 9 months; \$12,260

VIRGINIA STATE COLLEGE, Petersburg; Richard H. Dunn; 9 months; \$7,970

UNIVERSITY OF VIRGINIA, Charlottesville; William C. Lowry; 9 months; \$16,010

WAKE FOREST COLLEGE, Winston-Salem, N.C.; Ben M. Seelbinder; 9 months; \$6,350

UNIVERSITY OF WASHINGTON, Seattle; Carl B. Allendoerfer; 3 months; \$2,640
Carl B. Allendoerfer; 3 months; \$2,790
Arthur D. Welander; 8 months; \$440
Arthur D. Welander; 8 months; \$1,700

WAYNE STATE UNIVERSITY, Detroit, Mich.; William V. Mayer; 10 months; \$8,180
Harold T. Slaby; 10 months; \$9,250

WESTERN KENTUCKY STATE COLLEGE, Bowling Green; Ward C. Sumpter; 9 months; \$12,050

WESTERN STATE COLLEGE OF COLORADO, Gunnison; Theodore D. Violet; 8 months; \$7,730

WESTERN MICHIGAN UNIVERSITY, Kalamazoo; George G. Mallinson; 9 months; \$12,800
George G. Mallinson; 9 months; \$8,110

WILLIAM JEWELL COLLEGE, Liberty, Mo.; Wallace A. Hilton; 9 months; \$11,400

WISCONSIN STATE COLLEGE, Eau Claire; Marshall E. Wick; 9 months; \$11,560

WORCESTER POLYTECHNIC INSTITUTE, Mass.; Richard F. Morton; 9 months; \$13,460

XAVIER UNIVERSITY, New Orleans, La.; Mary Veronica; 9 months; \$7,460

YESHIVA UNIVERSITY, New York, N.Y.; Abe Gelbart; 9 months; \$72,500

YOUNGSTOWN UNIVERSITY, Youngstown, Ohio; Clair L. Worley; 9 months; \$5,460

IN-SERVICE INSTITUTES FOR SECONDARY SCHOOL TEACHERS AND ELEMENTARY SCHOOL TEACHERS

UNIVERSITY OF HAWAII, Honolulu; Michael M. Frodyma; 8 months; \$7,080

IN-SERVICE INSTITUTES FOR ELEMENTARY SCHOOL TEACHERS

UNIVERSITY OF ALABAMA, University; Esther J. Swenson; 9 months; \$7,060

AMERICAN MUSEUM OF NATURAL HISTORY, New York, N.Y.; Franklyn M. Branley; 4 months; \$2,730

UNIVERSITY OF ARIZONA, Tucson; Arthur H. Steimbrenner; 9 months; \$4,760

ARKANSAS STATE TEACHERS COLLEGE, Conway; O. L. Hughes; 9 months; \$5,630

BRIDGEWATER COLLEGE, Bridgewater, Va.; Harry G. M. Jopson; 8 months; \$6,000

BUCKNELL UNIVERSITY, Lewisburg, Pa.; Lester Kieft; 9 months; \$5,690

UNIVERSITY OF CALIFORNIA, Berkeley; Clifford Bell, Los Angeles; 8 months; \$6,280

UNIVERSITY OF COLORADO, Boulder; James R. Wallis; 8 months; \$5,640

DELTA STATE COLLEGE, Cleveland, Miss.; Eleanor Walters, Meridian; 9 months; \$3,130

DOMINICAN COLLEGE OF SAN RAFAEL, San Rafael, Calif.; Mary Augusta; 8 months; \$4,330

EAST TEXAS STATE COLLEGE, Commerce; Charles S. Rohrer; 9 months; \$6,350

FLORIDA STATE UNIVERSITY, Tallahassee; Eugene D. Nichols; 8 months; \$6,460

UNIVERSITY OF GEORGIA, Athens; Charles L. Koelsche; 9 months; \$4,620

HUMBOLDT STATE COLLEGE FOUNDATION, Arcata, Calif.; Roy W. Tucker; 9 months; \$6,820

INDIANA CENTRAL COLLEGE, Indianapolis; Robert M. Brooker; 9 months; \$5,990

KANSAS STATE COLLEGE OF PITTSBURG; Elton W. Cline; 9 months; \$6,230

KANSAS STATE TEACHERS COLLEGE, Emporia; Ted F. Andrews; 9 months; \$6,840

KNOXVILLE COLLEGE, Knoxville, Tenn.; Robert H. Harvey; 8 months; \$6,840

MILLERSVILLE STATE COLLEGE, Millersville, Pa.; William B. McIlwaine; 9 months; \$5,870

NORTHERN ILLINOIS UNIVERSITY, DeKalb; Eugene W. Hellmich; 9 months; \$6,770

OREGON STATE UNIVERSITY, Corvallis; Albert L. Leeland; 9 months; \$6,430

UNIVERSITY OF PUGET SOUND, Tacoma, Wash.; Martin E. Nelson; 9 months; \$3,820

RESEARCH FOUNDATION OF THE UNIVERSITY OF TOLEDO, Ohio; Robert R. Bnell; 9 months; \$6,000

RHODE ISLAND COLLEGE, Providence; Renato E. Leonelli; 9 months; \$6,200

SACRAMENTO STATE COLLEGE FOUNDATION, Calif.; H. Stewart Moredock; 9 months; \$6,080

ST. AUGUSTINE'S COLLEGE, Raleigh, N.C.; Prezell R. Robinson; 9 months; \$6,160

SAN JOSE STATE COLLEGE CORP., Calif.; James R. Smart; 9 months; \$5,870

SHORTER COLLEGE, Rome, Ga.; Lewis Lipps; 9 months; \$6,540

SOUTHEASTERN STATE COLLEGE, Durant, Okla.; Leslie A. Dwight; 9 months; \$5,230

STATE COLLEGE OF IOWA, Cedar Falls; E. Glenadine Gibb; 9 months; \$5,360

STRACUSE UNIVERSITY, N.Y.; Robert B. Davis; 9 months; \$6,000

TEMPLE UNIVERSITY, Philadelphia, Pa.; Herman C. Kranzer; 9 months; \$6,140

WESTERN KENTUCKY STATE COLLEGE, Bowling Green; Tate C. Page; 9 months; \$6,550

WESTERN MICHIGAN UNIVERSITY, Kalamazoo; George G. Mallinson; 9 months; \$6,890

SUMMER INSTITUTES FOR COLLEGE TEACHERS

AMERICAN UNIVERSITY, Washington, D.C.; Leo Schubert; 6 weeks; \$48,900

ARIZONA STATE UNIVERSITY, Tempe; Gordon L. Bender; 6 weeks; \$40,950

UNIVERSITY OF ARIZONA, Tucson; M. R. Bottacini; 10 weeks; \$55,200

BOWDOIN COLLEGE, Brunswick, Maine; Dan E. Christie; 6 weeks; \$51,400

BUCKNELL UNIVERSITY, Lewisburg, Pa.; Charles H. Coder, Jr.; 6 weeks; \$39,000

UNIVERSITY OF CALIFORNIA, Berkeley; George Jura; 8 weeks; \$23,800

COLORADO STATE UNIVERSITY RESEARCH FOUNDATION, Fort Collins; James R. Barton; 8 weeks; \$53,500

UNIVERSITY OF COLORADO, Boulder; Alec J. Kelso; 10 weeks; \$58,900

DUKE UNIVERSITY, Durham, N.C.; Harold J. Humm; 5 weeks; \$19,650

EMORY UNIVERSITY, Atlanta, Ga.; William H. Jones; 9 weeks; \$42,900

GEORGIA INSTITUTE OF TECHNOLOGY, Atlanta; James A. Stanfield; 6 weeks; \$52,100

ILLINOIS INSTITUTE OF TECHNOLOGY, Chicago; Peter Chiarulli; 8 weeks; \$40,900

INDIANA UNIVERSITY, Bloomington; Wayne R. Lowell; 6 weeks; \$39,000

IOWA STATE UNIVERSITY, Ames; T. A. Bancroft; 11 weeks; \$84,900

Glenn Murphy; 6 weeks; \$46,160

LOUISIANA POLYTECHNIC INSTITUTE, Ruston; M. A. Nobles; 9 weeks; \$37,575

LOUISIANA STATE UNIVERSITY, Baton Rouge; Harry D. Richardson; 9 weeks; \$26,600

UNIVERSITY OF MICHIGAN, Ann Arbor; Lloyd Brownell; 8 weeks; \$22,800

Melvin Levine; 8 weeks; \$19,200

UNIVERSITY OF MISSOURI, Columbia; Karl H. Evans; 8 weeks; \$53,400

NEW MEXICO STATE UNIVERSITY, University Park; E. L. Cleveland; 8 weeks; \$56,800

UNIVERSITY OF NORTH CAROLINA, Chapel Hill; H. D. Crockford; 6 weeks; \$56,500

H. F. Robinson, Raleigh; 6 weeks; \$44,100

NORTHWESTERN UNIVERSITY, Evanston, Ill.; Edward J. Taaffe; 6 weeks; \$30,500

OAK RIDGE INSTITUTE OF NUCLEAR STUDIES, Oak Ridge, Tenn.; Ralph T. Overman; 6 weeks; \$17,600

Ralph T. Overman; 6 weeks; \$17,600

OKLAHOMA STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE, Stillwater; James H. Boggs; 9 weeks; \$52,700

UNIVERSITY OF OKLAHOMA, Norman; Horace H. Bliss; 8 weeks; \$45,100

Horace E. Hoffman; 8 weeks; \$23,400

OREGON STATE COLLEGE, Corvallis; A. V. Logan; 6 weeks; \$49,950

UNIVERSITY OF OREGON, Eugene; Richard W. Castenholz; 8 weeks; \$33,800

RENSELAER POLYTECHNIC INSTITUTE, Troy, N.Y.; A. A. K. Booth; 4 weeks; \$22,000

UNIVERSITY OF ROCHESTER, N.Y.; John B. Hursh; 6 weeks; \$14,500

UNIVERSITY OF SOUTHERN CALIFORNIA, Los Angeles; Jay M. Savage; 6 weeks; \$22,810

STANFORD UNIVERSITY, Stanford, Calif.; Howard S. Seifert; 6 weeks; \$44,700

STEVENS INSTITUTE OF TECHNOLOGY, Hoboken, N.J.; Robert H. Seavy; 6 weeks; \$44,500

SYRACUSE UNIVERSITY, N.Y.; M. W. Jennison; 6 weeks; \$14,500

TULANE UNIVERSITY, New Orleans, La.; John K. Hampton, Jr.; 8 weeks; \$19,200

WASHINGTON STATE UNIVERSITY, Pullman; Adolph Hecht; 6 weeks; \$59,500

SUMMER INSTITUTES FOR JUNIOR COLLEGE AND COLLEGE TEACHERS

UNIVERSITY OF ARKANSAS, Fayetteville; R. C. Wray; 6 weeks; \$39,150

UNIVERSITY OF CALIFORNIA, Berkeley; Peter K. E. Henrich, Los Angeles; 8 weeks; \$68,400

SUMMER INSTITUTE FOR JUNIOR COLLEGE TEACHERS

WESTERN MICHIGAN UNIVERSITY, Kalamazoo; Haym Kruglak; 6 weeks; \$33,650

SUMMER INSTITUTE FOR TECHNICAL INSTITUTE AND JUNIOR COLLEGE TEACHERS

UNIVERSITY OF HOUSTON, Texas; Herbert H. Curry; 8 weeks; \$52,104

SUMMER INSTITUTE FOR TECHNICAL INSTITUTE TEACHERS

UNIVERSITY OF ILLINOIS, Urbana; Jerry S. Dobrovolsky; 8 weeks; \$38,100

SUMMER INSTITUTES FOR HIGH SCHOOL AND COLLEGE TEACHERS

UNIVERSITY OF ALABAMA, University; J. D. Mancill; 11 weeks; \$63,800
 GEORGE WASHINGTON CARVER FOUNDATION, Tuskegee Institute, Ala.; James H. M. Henderson; 8 weeks; \$19,000
 UNIVERSITY OF HAWAII, Honolulu; Sidney C. Hsiao; 6 weeks; \$15,600
 KENTON COLLEGE, Gambler, Ohio; Eric S. Graham; 7 weeks; \$1,575
 MICHIGAN STATE UNIVERSITY, East Lansing; Wayne Taylor; 11 weeks; \$94,700
 MONTANA STATE COLLEGE, Bozeman; L. O. Binder, Jr.; 5 weeks; \$56,275
 NEBRASKA WESLEYAN UNIVERSITY, Lincoln; Walter R. French, Jr.; 8 weeks; \$64,400
 NORTHWESTERN UNIVERSITY, Evanston, Ill.; E. H. C. Hildebrandt; 8 weeks; \$72,100
 PRINCETON UNIVERSITY, Princeton, N.J.; Joseph G. Bradshaw; 6 weeks; \$46,700
 TUFTS UNIVERSITY, Medford, Mass.; M. Kent Wilson; 6 weeks; \$33,630

SUMMER INSTITUTES FOR HIGH SCHOOL AND JUNIOR COLLEGE TEACHERS

CLARK UNIVERSITY, Worcester, Mass.; John S. Stubbe; 6 weeks; \$55,350
 COLORADO COLLEGE, Colorado Springs; Richard G. Beldleman; 8 weeks; \$87,300
 EAST TENNESSEE STATE COLLEGE, Johnson City; Lester C. Hartsell; 8 weeks; \$82,400
 FLORIDA STATE UNIVERSITY, Tallahassee; Grace C. Madsen; 8 weeks; \$40,500
 HARVEY MUDD COLLEGE, Claremont, Calif.; Lloyd E. Malm; 6 weeks; \$42,050
 MISSISSIPPI STATE UNIVERSITY, State College; Clyde Q. Sheely; 11 weeks; \$121,800
 UNIVERSITY OF MISSISSIPPI, University; Noel A. Childress; 10.6 weeks; \$140,400
 UNIVERSITY OF OKLAHOMA, Norman; Horace E. Hoffman; 8 weeks; \$45,900
 OREGON STATE COLLEGE, Corvallis; Albert R. Poole; 8 weeks; \$64,800
 RUTGERS, THE STATE UNIVERSITY, New Brunswick, N.J.; Emory P. Starke; 6 weeks; \$82,150

SUMMER INSTITUTES FOR HIGH SCHOOL TEACHERS

ADELPHI COLLEGE, Garden City, N.Y.; Howard A. Robinson; 6 weeks; \$111,800
 AGRICULTURAL AND MECHANICAL COLLEGE OF TEXAS, College Station; James G. Potter; 6 weeks; \$79,800
 AGRICULTURAL AND TECHNICAL COLLEGE OF NORTH CAROLINA, Greensboro; Gerald A. Edwards; 6 weeks; \$58,700
 AGRICULTURAL AND TECHNICAL COLLEGE OF NORTH CAROLINA, Greensboro; Gerald A. Edwards; 9 weeks; \$58,100
 ALABAMA COLLEGE, Montevallo; Paul C. Bailey; 10 weeks; \$90,000
 UNIVERSITY OF ALABAMA, University; Julian D. Mancill; 11 weeks; \$122,400
 UNIVERSITY OF ALASKA COLLEGE; William E. Cashen; 8 weeks; \$68,800

ALBANY STATE COLLEGE, Albany, Ga.; Alexander A. Hall; 6 weeks; \$49,300
 ALFRED UNIVERSITY, Alfred, N.Y.; E. Gordon Ogden; 6 weeks; \$55,100
 ALLEGHENY COLLEGE, Meadville, Pa.; Robert E. Bugbee; 7 weeks; \$68,700
 AMERICAN MUSEUM OF NATURAL HISTORY, New York, N.Y.; Bruce C. Hunter; 6 weeks; \$29,100
 AMERICAN UNIVERSITY, Washington, D.C.; Leo Schubert; 7 weeks; \$58,700
 ANTIOCH COLLEGE, Yellow Springs, Ohio; James F. Corwin; 8 weeks; \$34,300
 ARIZONA STATE UNIVERSITY, Tempe; Valentine Galasyn; 8 weeks; \$69,900
 UNIVERSITY OF ARIZONA, Tucson; Millard G. Seeley; 8 weeks; \$78,400
 Arthur H. Steinbrenner; 8 weeks; \$64,480
 ARKANSAS STATE COLLEGE, State College; W. W. Nedrow; 5 weeks; \$37,000
 UNIVERSITY OF ARKANSAS, Fayetteville; Lowell F. Bailey; 6 weeks; \$59,200
 ATLANTA UNIVERSITY, Ga.; K. A. Huggins; 9 weeks; \$63,400
 AUBURN UNIVERSITY, Auburn, Ala.; Ernest Williams; 10½ weeks; \$79,100
 Ernest Williams; 10½ weeks; \$61,600
 BALDWIN-WALLACE COLLEGE, Berea, Ohio; Dean L. Robb; 6 weeks; \$40,200
 BAYLOR UNIVERSITY, Waco, Tex.; Bryce C. Brown; 8 weeks; \$77,200
 BIRMINGHAM-SOUTHERN COLLEGE, Birmingham, Ala.; Wiley S. Rogers; 8 weeks; \$71,900
 BOARD OF REGENTS OF WISCONSIN STATE COLLEGES, Madison; Eugene R. McPhee; 6 weeks; \$46,800
 BOSTON COLLEGE, Chestnut Hill, Mass.; Stanley J. Bezuska; 6 weeks; \$980
 William G. Guindon, S.J.; 6 weeks; \$20,750
 BOWDOIN COLLEGE, Brunswick, Maine; Alton H. Gustafson; 6 weeks; \$37,400
 Samuel E. Kamerling; 6 weeks; \$37,400
 Reinhard L. Korgen; 6 weeks; \$60,600
 Noel C. Little; 6 weeks; \$14,500
 BRADLEY UNIVERSITY, Peoria, Ill.; A. Wayne McLaughy; 6 weeks; \$41,500
 BROOKLYN COLLEGE, Brooklyn, N.Y.; James Singer; 6 weeks; \$34,300
 BROWN UNIVERSITY, Providence, R.I.; Lealyn B. Clapp; 6 weeks; \$43,800
 BUCKNELL UNIVERSITY, Lewisburg, Pa.; Lester Kleff; 6 weeks; \$66,300
 UNIVERSITY OF BUFFALO, N.Y.; Harriet F. Montague; 6 weeks; \$48,750
 UNIVERSITY OF CALIFORNIA, Berkeley; Donald C. Bryant; 8 weeks; \$19,000
 Marlo Menesini; 8 weeks; \$63,800
 Robert A. Rice; 8 weeks; \$102,800
 Frantisek Wolf; 7 weeks; \$56,800
 Clifford Bell, Los Angeles; 8 weeks; \$44,000
 William H. Meyer, Santa Barbara; 6 weeks; \$51,700
 CARLETON COLLEGE, Northfield, Minn.; Kenneth W. Wegner; 6 weeks; \$55,950
 CASE INSTITUTE OF TECHNOLOGY, Cleveland, Ohio; Paul E. Guenther; 6 weeks; \$53,100

CATHOLIC UNIVERSITY OF AMERICA, Washington, D.C.; Raymond W. Moller; 6 weeks; \$51,700

Henry P. Ward; 6 weeks; \$41,200

CATHOLIC UNIVERSITY OF PUERTO RICO, Santa Maria; Joseph W. Stander, S.M.; 6 weeks; \$41,500

CENTRAL COLLEGE, Fayette, Mo.; N. Christian Nielsen; 9 weeks; \$38,500

CENTRAL MICHIGAN UNIVERSITY, Mount Pleasant; Carl A. Scheel; 6 weeks; \$39,800

CENTRAL STATE COLLEGE, Wilberforce, Ohio; Bernard H. Johnson; 8 weeks; \$32,500

UNIVERSITY OF CINCINNATI, Ohio; H. David Lipsich; 6 weeks; \$51,900

CITY COLLEGE, New York, N.Y.; Chester B. Kremer; 6 weeks; \$50,100

CLAFLIN COLLEGE, Orangeburg, S.C.; Hampton D. Smith, Sr.; 9 weeks; \$74,700

CLARKSON COLLEGE OF TECHNOLOGY, Potsdam, N.Y.; F. Gordon Lindsey; 8 weeks; \$86,100

CLEMSON COLLEGE, Clemson, S.C.; Floyd I. Brownley, Jr.; 6 weeks; \$57,000

COLBY COLLEGE, Waterville, Maine; Wilfred J. Combella; 6 weeks; \$81,700

COLORADO SCHOOL OF MINES, Golden; James L. Hall; 6 weeks; \$46,100

COLORADO STATE COLLEGE, Greeley; John A. Beel; 8 weeks; \$63,400

COLORADO STATE UNIVERSITY RESEARCH FOUNDATION, Fort Collins; John R. Olive; 8 weeks; \$53,800

George H. Splittgerber; 8 weeks; \$55,100

UNIVERSITY OF COLORADO, Boulder; Charles R. Bitter; 7 weeks; \$47,100

John M. Cleveland; 8 weeks; \$600

John M. Cleveland; 8 weeks; \$55,200

R. N. Keller; 8 weeks; \$108,000

UNIVERSITY OF CONNECTICUT, Storrs; David J. Bluck; 6 weeks; \$91,500

CONVERSE COLLEGE, Spartanburg, S.C.; Walter James Wyatt; 8 weeks; \$73,200

CORNELL UNIVERSITY, Ithaca, N.Y.; M. L. Nichols; 6 weeks; \$44,050

R. William Shaw; 6 weeks; \$54,900

DAVIS AND ELKINS COLLEGE, Elkins, W. Va.; Louis E. Mattison; 7 weeks; \$57,000

UNIVERSITY OF DAYTON, Ohio; K. C. Schraut; 6 weeks; \$33,900

UNIVERSITY OF DELAWARE, Newark; John A. Brown; 8 weeks; \$70,300

UNIVERSITY OF DETROIT, Michigan; Everette L. Henderson; 6 weeks \$54,500

DRAKE UNIVERSITY, Des Moines, Iowa; Rodney A. Rogers; 9 weeks; \$69,655

EARLHAM COLLEGE, Richmond, Ind.; Murvel R. Garner; 6 weeks; \$25,400

Laurence E. Strong; 6 weeks; \$44,100

EAST TEXAS STATE COLLEGE, Commerce; C. B. Wright; 6 weeks; \$36,500

EASTERN ILLINOIS UNIVERSITY, Charleston; Weldon N. Baker; 8 weeks; \$76,500

EASTERN NEW MEXICO UNIVERSITY, Portales; Ruth B. Thomas; 8 weeks; \$77,500

EMORY UNIVERSITY, Atlanta, Ga.; Henry Sharp, Jr.; 6 weeks; \$34,530

FAIRLEIGH DICKINSON UNIVERSITY, Rutherford, N.J.; Dolores Elaine Keller, Teaneck; 6 weeks; \$40,700

FISK UNIVERSITY, Nashville, Tenn.; Edward L. Maxwell; 8 weeks; \$82,400

FLORIDA STATE UNIVERSITY, Tallahassee; C. W. Edington; 8 weeks; \$19,000

James E. Snover; 8 weeks; \$32,800

UNIVERSITY OF FLORIDA, Gainesville; W. T. Lippincott; 8 weeks; \$114,400

FORDHAM UNIVERSITY, New York, N.Y.; Frederick L. Canavan, S.J.; 6 weeks; \$47,500

FORT HAYS KANSAS STATE COLLEGE, Hays; Ward L. Sims; 8 weeks; \$63,700

FRANKLIN AND MARSHALL COLLEGE, Lancaster, Pa.; Bernard Jacobson; 6 weeks; \$39,500

John H. Moss; 8 weeks; \$52,900

Richard I. Weller; 8 weeks; \$54,712

FURMAN UNIVERSITY, Greenville, S.C.; J. A. Southern; 6 weeks; \$44,700

GEORGE PEABODY COLLEGE FOR TEACHERS, Nashville, Tenn.; H. Craig Sipe; 9 weeks; \$122,800

GEORGETOWN UNIVERSITY, Washington, D.C.; Malcolm W. Oliphant; 8 weeks; \$50,800

GEORGE WASHINGTON UNIVERSITY, Washington, D.C.; David Nelson; 8 weeks; \$62,200

GEORGIA SOUTHERN COLLEGE, Collegeboro; Burtem J. Bogitsh; 6 weeks; \$48,200

GRAMBLING COLLEGE, Grambling, La.; Archie L. Lacey, Hunter College, N.Y.; 8 weeks; \$54,200

HAMILTON COLLEGE, Clinton, N.Y.; Brewster H. Gere; 6 weeks; \$53,700

UNIVERSITY OF HAWAII, Honolulu; Albert J. Bernatowicz; 6 weeks; \$69,900

COLLEGE OF THE HOLY CROSS, Worcester, Mass.; John W. Flavin, S.J.; 6 weeks; \$52,600

John J. MacDonnell; 6 weeks; \$54,900

HOWARD PAYNE COLLEGE, Brownwood, Tex.; Leonard R. Daniel; 6 weeks; \$48,200

HOWARD UNIVERSITY, Washington, D.C.; Marie C. Taylor; 8 weeks; \$49,900

HUMBOLDT STATE COLLEGE FOUNDATION, Arcata, Calif.; William M. Lanphere; 6 weeks; \$61,100

HUNTER COLLEGE, N.Y., N.Y.; Jewell Hughes Bushy; 6 weeks; \$47,100

HUSTON-TILLOTSON COLLEGE, Austin, Tex.; J. H. Morton; 6 weeks; \$47,100

UNIVERSITY OF IDAHO, Moscow; K. A. Bush; 8 weeks; \$41,900

ILLINOIS INSTITUTE OF TECHNOLOGY, Chicago; Haim Reingold; 8 weeks; \$104,100

UNIVERSITY OF ILLINOIS, Urbana, Ill.; Max Beberman; 6 weeks; \$115,650

Arnold M. Hartley; 8 weeks; \$35,700

ILLINOIS WESLEYAN UNIVERSITY, Bloomington; Wayne W. Wantland; 8 weeks; \$73,300

INDIANA UNIVERSITY, Bloomington, Ind.; Robert B. Fischer; 8 weeks; \$51,700

L. S. McClung; 4 weeks; \$27,400

T. G. Perry; 6 weeks; \$32,200

Paul Weatherwax; 6 weeks; \$39,100

Marie S. Wilcox, Thomas Carr Howe High School, Indianapolis; 6 weeks; \$50,000

IOWA STATE UNIVERSITY, Ames; Orlando C. Kreider; 6 weeks; \$92,900

JOHNS HOPKINS UNIVERSITY, Baltimore, Md.; William Kelso Morrill, Sr.; 6 weeks; \$70,000

JUNIATA COLLEGE, Huntingdon, Pa.; David M. Hercules; 6 weeks; \$40,200

KANSAS STATE COLLEGE OF PITTSBURG; R. G. Smith; 8 weeks; \$76,700

KANSAS STATE TEACHERS COLLEGE, Emporia; Otto M. Smith; 12 weeks; \$229,050

KANSAS STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE, Manhattan; J. R. Chelkowsky; 8 weeks; \$55,500
Leonard E. Fuller; 8 weeks; \$59,000

UNIVERSITY OF KANSAS, Lawrence; Russell N. Bradt; 8 weeks; \$100,800
Edward I. Shaw; 8 weeks; \$20,200

KENT STATE UNIVERSITY, Kent, Ohio; Kenneth B. Cummins; 8 weeks; \$67,500

KENTUCKY RESEARCH FOUNDATION, Lexington; John M. Carpenter; 8 weeks; \$100,600

KENYON COLLEGE, Gambier, Ohio; E. S. Graham; 6 weeks; \$39,670

KNOX COLLEGE, Galesburg, Ill.; Herbert Priestley; 6 weeks; \$52,000
Rothwell Stephens; 6 weeks; \$50,150

LEHIGH UNIVERSITY, Bethlehem, Pa.; Clarence A. Shook; 6 weeks; \$45,400

LOUISIANA STATE UNIVERSITY, Baton Rouge; Benjamin E. Mitchell; 9 weeks; \$42,100

UNIVERSITY OF MAINE, Orono; S. H. Kimball; 6 weeks; \$49,300

MARQUETTE UNIVERSITY, Milwaukee, Wis.; Raymond A. Bourneque; 8 weeks; \$54,000
L. J. Heider; 6 weeks; \$35,000

MARSHALL FOUNDATION, Inc., Huntington, W. Va.; Donald C. Martin; 11 weeks; \$900

UNIVERSITY OF MARYLAND, College Park; Joshua R. C. Brown; 7 weeks; \$84,200

MIAMI UNIVERSITY, Oxford, Ohio; Bruce V. Weidner; 8 weeks; \$105,000

MICHIGAN COLLEGE OF MINING AND TECHNOLOGY, Houghton; Donald G. Yerg; 8 weeks; \$62,200

MICHIGAN STATE UNIVERSITY, East Lansing; Sherwood Haynes; 11 weeks; \$67,825
T. Wayne Porter, Hickory Corners; 8 weeks; \$38,500

MIDDLE TENNESSEE STATE COLLEGE, Murfreesboro; J. Eldred Wisner; 11 weeks; \$100,700

UNIVERSITY OF MINNESOTA, Minneapolis, Frank Verbrugge; 10 weeks; \$113,250
David W. French, Lake Itasca; 5 weeks; \$20,400
Francis A. Spurrell, St. Paul; 6 weeks; \$14,500

MISSISSIPPI SOUTHERN COLLEGE, Hattiesburg; J. Fred Walker; 9 weeks; \$103,400

UNIVERSITY OF MISSOURI, Columbia; Robert F. Brooks; 8 weeks; \$61,000
Wesley J. Dale; 8 weeks; \$64,300
Harold Q. Fuller, Rolla; 8 weeks; \$95,200

MONTANA STATE UNIVERSITY, Missoula; Gordon B. Castle; 8 weeks; \$14,400
James W. Gebhart; 10 weeks; \$78,600
William M. Myers; 10 weeks; \$60,000

MONTCLAIR STATE COLLEGE, Upper Montclair, N.J.; Max A. Sobel; 6 weeks; \$72,900

MORGAN STATE COLLEGE, Baltimore, Md.; Thomas P. Fraser; 6 weeks; \$60,700

MURRAY STATE COLLEGE FOUNDATION, Murray, Ky.; Alfred M. Wolfson; 8 weeks; \$80,900

UNIVERSITY OF NEBRASKA, Lincoln; John E. Demuth; 8 weeks; \$83,200
Walter E. Mientka; 8 weeks; \$39,600

UNIVERSITY OF NEVADA, Reno; R. N. Tompson; 6 weeks; \$48,350

UNIVERSITY OF NEW HAMPSHIRE, Durham; Harold A. Iddles; 8 weeks; \$85,500
Shepley L. Ross; 8 weeks; \$74,700

NEW MEXICO HIGHLANDS UNIVERSITY, Las Vegas; Vera Usdin; 5 weeks; \$24,200

UNIVERSITY OF NEW MEXICO, Albuquerque; Frank C. Gentry; 8 weeks; \$64,900
Loren D. Potter; 9 weeks; \$21,300

NORTH CAROLINA COLLEGE AT DURHAM, Durham; William H. Robinson; 6 weeks; \$78,300

UNIVERSITY OF NORTH CAROLINA, Chapel Hill; Roy L. Ingram; 6 weeks; \$38,400

NORTH DAKOTA AGRICULTURAL COLLEGE, Fargo; F. L. Minnear; 8 weeks; \$97,900

UNIVERSITY OF NORTH DAKOTA, Grand Forks; J. Donald Henderson; 8 weeks; \$79,700

NORTH TEXAS STATE COLLEGE, Denton; Robert C. Sherman; 9 weeks; \$33,700

NORTHERN MICHIGAN COLLEGE, Marquette; Lucian F. Hunt; 6 weeks; \$60,450

NORTHWESTERN STATE COLLEGE OF LOUISIANA, Natchitoches; George A. Stokes; 9 weeks; \$65,600

UNIVERSITY OF NOTRE DAME, Notre Dame, Ind.; Arnold E. Ross; 7 weeks; \$107,000

OAK RIDGE INSTITUTE OF NUCLEAR STUDIES, Oak Ridge, Tenn.; Ralph T. Overman; 4 weeks; \$31,300

OSBERLIN COLLEGE, Oberlin, Ohio; Wade Ellis; 8 weeks; \$104,400

OCCIDENTAL COLLEGE, Los Angeles, Calif.; Patrick H. Wells; 6 weeks; \$40,100

OHIO STATE UNIVERSITY, Columbus; Robert C. Fisher; 8 weeks; \$79,800
John S. Richardson; 8 weeks; \$78,300

OHIO UNIVERSITY FUND INC., Athens; Lawrence P. Eblin; 6 weeks; \$57,900

OHIO WESLYAN UNIVERSITY, Delaware; William D. Stull; 8 weeks; \$82,500

OKLAHOMA BAPTIST UNIVERSITY, Shawnee; J. O. Purdue; 8 weeks; \$42,400

OKLAHOMA STATE UNIVERSITY, Stillwater; James H. Zant; 8 weeks; \$67,400

UNIVERSITY OF OKLAHOMA, Norman; Horace H. Bliss; 4 weeks; \$40,300
Horace H. Bliss; 8 weeks; \$38,700
Horace H. Bliss; 9 weeks; \$82,700

OREGON STATE COLLEGE, Corvallis; Stanley E. Williamson; 8 weeks; \$65,600

UNIVERSITY OF OREGON, Eugene; Robert W. Morris; 8 weeks; \$94,580
A. F. Mouraud; 8 weeks; \$63,600

UNIVERSITY OF THE PACIFIC, Stockton, Calif.; Alexander Vavoulis; 10 weeks; \$75,200

UNIVERSITY OF PENNSYLVANIA, Philadelphia; J. F. Hazel; 6 weeks; \$80,500

PHILADELPHIA COLLEGE OF PHARMACY AND SCIENCE, Pa.; Arthur Osol; 6 weeks; \$28,250

UNIVERSITY OF PITTSBURGH, Pa.; John C. Knipp; 6 weeks; \$31,800

PRAIRIE VIEW AGRICULTURAL AND MECHANICAL COLLEGE, Prairie View, Tex.; E. E. O'Banion; 6 weeks; \$50,900

PRINCETON UNIVERSITY, Princeton, N.J.; Joseph G. Bradshaw; 6 weeks; \$40,650

UNIVERSITY OF PUERTO RICO, Rio Piedras; Augusto Bobonis; 8 weeks; \$91,800
Jose A. Ferrer-Monge, Mayaguez; 6 weeks; \$18,800
Mariano Garcia; 7 weeks; \$57,800

PURDUE UNIVERSITY, Lafayette, Ind.; John E. Christian; 6 weeks; \$14,500
D. A. Davenport; 8 weeks; \$600
M. Wiles Keller; 8 weeks; \$69,800
R. W. Lefler; 8 weeks; \$600
R. W. Lefler; 8 weeks; \$41,600
J. D. Novak; 8 weeks; \$69,700

RANDOLPH-MACON WOMAN'S COLLEGE, Lynchburg, Va.; Helen L. Whidden; 6 weeks; \$60,500

REED COLLEGE, Portland, Oreg.; Frederick A. Courts; 8 weeks; \$39,600
Burrowes Hunt; 8 weeks; \$71,000
Arthur H. Livermore; 6 weeks; \$43,350

RESEARCH FOUNDATION OF STATE UNIVERSITY OF NEW YORK, Albany; M. Ira Dubins; 6 weeks; \$39,000
Edgar W. Flinton; 6 weeks; \$48,300

RESEARCH FOUNDATION OF THE UNIVERSITY OF TOLEDO, Ohio; Archie N. Solberg; 8 weeks; \$62,000

UNIVERSITY OF RHODE ISLAND, Kingston; Elmer A. Palmatier; 6 weeks; \$41,800

UNIVERSITY OF ROCHESTER, N.Y.; John J. Montean; 6 weeks; \$51,700
John J. Montean; 6 weeks; \$40,000
John J. Montean; 6 weeks; \$49,100

RUTGERS, THE STATE UNIVERSITY, New Brunswick, N.J.; Raymond M. Manganelli; 6 weeks; \$41,500
Richard K. Olsson; 6 weeks; \$40,000
Paul G. Pearson; 6 weeks; \$41,600
Robert L. Sells; 7 weeks; \$46,900

ST. AUGUSTINE'S COLLEGE, Raleigh, N.C.; Jeffery Gipson; 6 weeks; \$50,200

SAINT CLOUD STATE COLLEGE, St. Cloud, Minn.; Harold Hopkins; 5 weeks; \$50,000

ST. LOUIS UNIVERSITY, Mo.; Francis Regan; 6 weeks; \$49,550

COLLEGE OF SAINT THOMAS, St. Paul, Minn.; Martin Allen; 6 weeks; \$24,500

SAN JOSE STATE COLLEGE, San Jose, Calif.; Max Kramer; 6 weeks; \$49,000
Charles E. Smith, Jr.; 6 weeks; \$500

UNIVERSITY OF SANTA CLARA, Santa Clara, Calif.; Alvin M. White; 6 weeks; \$48,700

SETON HILL COLLEGE, Greensburg, Pa.; Sister Mary Thaddeus; 6 weeks; \$43,000

SETON HALL UNIVERSITY, South Orange, N.J.; F. Leo Lynch, Jr.; 6 weeks; \$34,100

SIMMONS COLLEGE, Boston, Mass.; Phillip M. Richardson; 6 weeks; \$24,700

SOUTH CAROLINA STATE COLLEGE, Orangeburg; Algernon S. Belcher; 8 weeks; \$58,300

UNIVERSITY OF SOUTH CAROLINA, Columbia; W. L. Williams; 8 weeks; \$82,600

SOUTH DAKOTA SCHOOL OF MINES AND TECHNOLOGY, Rapid City; Howard C. Peterson; 8 weeks; \$128,900

SOUTH DAKOTA STATE COLLEGE, Brookings; Kenneth E. Howard; 8 weeks; \$63,600

SOUTHEASTERN STATE COLLEGE, Durant, Okla.; Leslie A. Dwight; 8 weeks; \$69,600

SOUTHERN ILLINOIS UNIVERSITY, Carbondale; Morton R. Kenner; 8 weeks; \$51,900
I. L. Shechmeister; 8 weeks; \$61,800

SOUTHERN METHODIST UNIVERSITY, Dallas, Tex.; Joe P. Harris, Jr.; 6 weeks; \$30,100

SOUTHERN UNIVERSITY, Baton Rouge, La.; Leon R. Roddy; 8 weeks; \$56,900

UNIVERSITY OF SOUTHWESTERN LOUISIANA, Lafayette; James R. Oliver; 9 weeks; \$55,200
James R. Oliver; 9 weeks; \$47,700

SOUTHWESTERN STATE COLLEGE, Weatherford, Okla.; Earl A. Reynolds; 8 weeks; \$50,600

UNIVERSITY OF THE SOUTH, Sewanee, Tenn.; H. Malcolm Owen; 8 weeks; \$57,500

STANFORD UNIVERSITY, Stanford, Calif.; Harold M. Bacon; 6 weeks; \$51,600

STATE COLLEGE OF IOWA, Cedar Falls; Irvin H. Brune; 8 weeks; \$60,500
Dorothy C. Matala; 8 weeks; \$37,500

STATE UNIVERSITY OF SOUTH DAKOTA, Vermillion; C. E. Estee; 8 weeks; \$77,600
M. M. Hasse; 8 weeks; \$64,700

STEPHEN F. AUSTIN STATE COLLEGE, Nacogdoches, Tex.; E. L. Miller; 6 weeks; \$31,000

STETSON UNIVERSITY, De Land, Fla.; Gene W. Medlin; 8 weeks; \$62,400

STEVENS INSTITUTE OF TECHNOLOGY, Hoboken, N.J.; Robert H. Seavy; 6 weeks; \$63,100

SYRACUSE UNIVERSITY, N.Y.; William R. Fredrickson; 6 weeks; \$450

TENNESSEE AGRICULTURAL AND INDUSTRIAL STATE UNIVERSITY, Nashville; Rutherford H. Adkins; 8 weeks; \$51,500

TENNESSEE POLYTECHNIC INSTITUTE, Cookeville; G. B. Pennebaker; 8 weeks; \$92,200

UNIVERSITY OF TENNESSEE, Knoxville; Edgar D. Eaves; 8 weeks; \$62,500

TEXAS CHRISTIAN UNIVERSITY, Fort Worth; E. R. Alexander; 6 weeks; \$94,100

TEXAS SOUTHERN UNIVERSITY, Houston; Robert J. Terry; 12 weeks; \$93,500

TEXAS TECHNICAL COLLEGE, Lubbock; Charles L. Riggs; 6 weeks; \$46,300

UNIVERSITY OF TEXAS, Austin; Addison E. Lee; 9 weeks; \$114,775

TEXAS WOMAN'S UNIVERSITY, Denton; Harold T. Baker; 9 weeks; \$21,300
Harlan C. Miller; 6 weeks; \$38,700

THIEL COLLEGE, Greenville, Pa.; Bela G. Kolossvary; 6 weeks; \$51,300

TUFTS UNIVERSITY, Medford, Mass.; M. Kent Wilson; 6 weeks; \$43,600

TULANE UNIVERSITY, New Orleans, La.; Joseph E. Gordon; 9 weeks; \$59,400

UTAH STATE UNIVERSITY, Logan; Joe Elich; 10 weeks; \$79,550

UNIVERSITY OF UTAH, Salt Lake City; E. Allan Davis; 7 weeks; \$61,800
Thomas J. Parmley; 10 weeks; \$83,600

- VASSAR COLLEGE, Poughkeepsie, N.Y.; A. Scott Warthin, Jr.; 6 weeks; \$37,700
- UNIVERSITY OF VERMONT, Burlington; N. James Schoonmaker; 7 weeks; \$67,000
Nelson L. Walbridge; 8 weeks; \$67,800
- VIRGINIA STATE COLLEGE, Petersburg; Richard H. Dunn; 8 weeks; \$96,800
- UNIVERSITY OF VIRGINIA, Charlottesville; James W. Cole, Jr.; 8 weeks; \$79,300
- WAKE FOREST COLLEGE, Winston-Salem, N.C.; Ivey C. Gentry; 6 weeks; \$53,220
- WASHINGTON STATE UNIVERSITY, Pullman; Alfred B. Butler; 8 weeks; \$90,600
- UNIVERSITY OF WASHINGTON, Seattle; Richard H. Fleming; 9 weeks; \$42,700
E. C. Lingafelter; 5 weeks; \$32,300
L. A. Sanderman; 8 weeks; \$61,400
- WAYNE STATE UNIVERSITY, Detroit, Mich.; Walter Chavin; 8 weeks; \$19,000
Karl W. Folley; 8 weeks; \$66,700
- WESLEYAN UNIVERSITY, Middletown, Conn.; Joseph S. Daltry; 6 weeks; \$478
- WESTERN KENTUCKY STATE COLLEGE, Bowling Green; Ward C. Sumpter; 8 weeks; \$81,600
- WESTERN MICHIGAN UNIVERSITY, Kalamazoo; James H. Powell; 6 weeks; \$59,400
- WESTERN RESERVE UNIVERSITY, Cleveland, Ohio; William M. Heston; 11 weeks; \$119,000
- WESTERN WASHINGTON COLLEGE OF EDUCATION, Bellingham; Sheldon T. Bio; 8 weeks; \$49,200
- COLLEGE OF WILLIAM AND MARY, Williamsburg, Va.; Melvin A. Pittman; 8 weeks; \$118,616
- WISCONSIN STATE COLLEGE, River Falls; Theodore Setterquist; 8 weeks; \$51,800
Joseph W. Horton; 8 weeks; \$36,700
Richard J. Delorit; 8 weeks; \$39,900
- UNIVERSITY OF WISCONSIN, Madison; Robert A. Jaggard, Milwaukee; 8 weeks; \$61,700
- WITTENBERG UNIVERSITY, Springfield, Ohio; Norman E. Dodson; 8 weeks; \$44,500
- WORCESTER POLYTECHNIC INSTITUTE, Worcester, Mass.; Richard F. Morton; 8 weeks; \$81,600
- UNIVERSITY OF WYOMING, Laramie; Carl A. Cinnamon; 8 weeks; \$20,400
Samuel W. Harding; 10 weeks; \$99,000
W. Norman Smith; 5 weeks; \$41,600
- YALE UNIVERSITY, New Haven, Conn.; Stuart R. Brinkley; 6 weeks; \$88,150
- YESHIVA UNIVERSITY, New York, N.Y.; Abe Gelbart; 8 weeks; \$45,000
- SUMMER INSTITUTE FOR JUNIOR AND SENIOR HIGH SCHOOL TEACHERS**
- UNIVERSITY OF CALIFORNIA, Berkeley; John H. Chilcott, Santa Barbara; 6 weeks; \$37,800
- SUMMER INSTITUTES FOR JUNIOR HIGH SCHOOL TEACHERS**
- BOWLING GREEN STATE UNIVERSITY, Bowling Green, Ohio; Bruce R. Vogell; 5 weeks; \$42,200
- CARLETON COLLEGE, Northfield, Minn.; Robert T. Mathews; 6 weeks; \$46,400
- CENTRAL CONNECTICUT STATE COLLEGE, New Britain; Richard L. Mentzer; 6 weeks; \$49,400
- COLGATE UNIVERSITY, Hamilton, N.Y.; Oran B. Stanley; 6 weeks; \$58,900
- COLUMBIA UNIVERSITY, New York, N.Y.; Frederick L. Fitzpatrick; 6½ weeks; \$30,300
- DEPAUW UNIVERSITY, Greencastle, Ind.; Donald J. Cook; 6 weeks; \$44,400
- EASTERN MICHIGAN UNIVERSITY, Ypsilanti; James M. Barnes; 6 weeks; \$60,800
- HOPE COLLEGE, Holland, Mich.; Jay E. Folkert; 6 weeks; \$42,100
- INDIANA STATE TEACHERS COLLEGE, Terre Haute; John C. Hook; 10 weeks; \$89,800
- INTER AMERICAN UNIVERSITY OF PUERTO RICO, San German; Ismael Valez; 7 weeks; \$45,900
- IOWA STATE TEACHERS COLLEGE, Cedar Falls; Dorothy C. Matala; 8 weeks; \$61,000
- KANSAS STATE COLLEGE OF PITTSBURG; Margaret B. Parker; 8 weeks; \$54,300
- LOS ANGELES STATE COLLEGE FOUNDATION, Calif.; Wesley O. Griesel; 8 weeks; \$62,700
- MACALESTER COLLEGE, St. Paul, Minn.; Russell B. Hastings; 8 weeks; \$72,900
- UNIVERSITY OF MARYLAND, College Park; Stanley B. Jackson; 6 weeks; \$34,300
- UNIVERSITY OF MICHIGAN, Ann Arbor; Joseph N. Payne; 6 weeks; \$50,000
- SACRAMENTO STATE COLLEGE FOUNDATION, Calif.; Carl E. Ludwig; 6 weeks; \$59,800
- RESEARCH FOUNDATION OF STATE UNIVERSITY OF NEW YORK, Albany; Alexander G. Major, Potsdam; 6 weeks; \$62,989
- SAN JOSE STATE COLLEGE, San Jose, Calif.; Leonard I. Holder; 6 weeks; \$47,800
- SOUTHERN OREGON COLLEGE, Ashland; Irene Hollenbeck; 6 weeks; \$49,826
- SOUTHWEST MISSOURI STATE COLLEGE, Springfield; Carl V. Fronabarger; 6 weeks; \$28,400
- SYRACUSE UNIVERSITY, N.Y.; Robert B. Davis; 6 weeks; \$49,150
- UTAH STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE, Logan; Neville C. Hunsaker; 10 weeks; \$80,800
- VALPARAISO UNIVERSITY, Valparaiso, Ind.; Arthur E. Hallerberg; 7 weeks; \$41,000
- WASHBURN UNIVERSITY OF TOPEKA, Kans.; Laura Z. Greene; 8 weeks; \$64,900
- WEST VIRGINIA WESLEYAN COLLEGE, Buckhannon; William A. Hallam; 6 weeks; \$55,000
- WESTERN MICHIGAN UNIVERSITY, Kalamazoo; George G. Mallinson; 8 weeks; \$48,800
- WISCONSIN STATE COLLEGE, Eau Claire; Chester P. Olson; 8 weeks; \$37,900
- SUMMER INSTITUTES FOR ELEMENTARY SCHOOL TEACHERS**
- ARIZONA STATE UNIVERSITY, Tempe; Theodore W. Munch; 6 weeks; \$31,300
- BELOIT COLLEGE, Beloit, Wis.; John L. Blester; 8 weeks; \$45,800

BIRMINGHAM-SOUTHERN COLLEGE, Birmingham, Ala.; Hoyt M. Kaylor; 8 weeks; \$27,800

UNIVERSITY OF BUFFALO, Buffalo, N.Y.; Edith R. Schneckenburger; 6 weeks; \$32,900

DEPAUW UNIVERSITY, Greencastle, Ind.; Donald J. Cook; 6 weeks; \$25,800

EASTERN MICHIGAN UNIVERSITY, Ypsilanti; Albert W. Brown; 6 weeks; \$35,000

UNIVERSITY OF FLORIDA, Gainesville; G. Marian Young; 8 weeks; \$44,200

UNIVERSITY OF ILLINOIS, Urbana; David A. Page; 8 weeks; \$46,600

NEW JERSEY STATE SCHOOL OF CONSERVATION, Branchville; James Cruise, Trenton; 6 weeks; \$32,400

NORTHERN ILLINOIS UNIVERSITY, DeKalb; Frederick W. Rolf; 8 weeks; \$44,800

NORTHERN MICHIGAN COLLEGE, Marquette; Henry S. Heimonen; 6 weeks; \$35,000

UNIVERSITY OF OREGON, Eugene; Edwin G. Ebbighausen; 8 weeks; \$42,200

PENNSYLVANIA STATE UNIVERSITY, University Park; H. Seymour Fowler; 6 weeks; \$34,200

PRAIRIE VIEW AGRICULTURAL AND MECHANICAL COLLEGE, Prairie View, Tex.; Israel E. Glover; 6 weeks; \$28,700

RUTGERS, THE STATE UNIVERSITY, New Brunswick, N.J.; Robert L. Swain; 6 weeks; \$35,500

COLLEGE OF ST. CATHERINE, St. Paul, Minn.; Sister Seraphim, C.S.J.; 6 weeks; \$30,600

SAN FERNANDO VALLEY STATE COLLEGE FOUNDATION, Northridge, Calif.; Ruth L. Roche; 6 weeks; \$32,300

SOUTHEASTERN STATE COLLEGE, Durant, Okla.; Leslie A. Dwight; 4 weeks; \$20,800

UNIVERSITY OF TEXAS, Austin; W. T. Guy, Jr.; 6 weeks; \$31,100

SPECIAL GRANTS IN SUPPLEMENT TO 1960 SUMMER INSTITUTES

AGRICULTURAL AND MECHANICAL COLLEGE OF TEXAS, College Station; James G. Potter; 12 weeks; \$3,750

BOSTON UNIVERSITY, Mass.; George P. Fulton; 6 weeks; \$1,800

CENTRAL MISSOURI STATE COLLEGE, Warrensburg; Sam B. Hewitt; 10 weeks; \$10,900

COLORADO STATE UNIVERSITY RESEARCH FOUNDATION, Fort Collins; John J. Faris; 8 weeks; \$13,250

UNIVERSITY OF DETROIT, Mich.; Lyle E. Mehlenbacher; 6 weeks; \$8,250

MOREHEAD STATE COLLEGE, Morehead, Ky.; William B. Owsley; 8 weeks; \$6,000

NEW MEXICO HIGHLANDS UNIVERSITY, Las Vegas; Galen W. Ewing; 8 weeks; \$6,900

NORTHWESTERN STATE COLLEGE OF LOUISIANA, Natchitoches; W. G. Erwin; 9 weeks; \$2,250

PENNSYLVANIA STATE UNIVERSITY, University Park; William H. Powers; 6 weeks; \$20,350

RENSSELAER POLYTECHNIC INSTITUTE, Troy, N.Y.; A. A. K. Booth; 8 weeks; \$11,900

ST. LOUIS UNIVERSITY, Mo.; Earl P. Murphy; 6 weeks; \$800

SEATTLE UNIVERSITY, Wash.; Ernest P. Bertin; 8 weeks; \$5,700

WEST VIRGINIA UNIVERSITY, Morgantown; James B. Hickman; 6 weeks; \$9,050

SUMMER CONFERENCE FOR COLLEGE TEACHERS

AMERICAN UNIVERSITY, Washington, D.C.; Matthew F. Norton; 14 days; \$19,200

UNIVERSITY OF ARKANSAS, Fayetteville; William R. Orton; 19 days; \$13,000

BUTLER UNIVERSITY, Indianapolis, Ind.; Ralph K. Birdwhistell; 14 days; \$16,100

UNIVERSITY OF CALIFORNIA, Berkeley; Richard M. Fulrath; 12 days; \$11,800

Vernon A. Kramer; 20 days; \$17,900
Paul B. Johnson, Los Angeles; 26 days; \$18,000

COLORADO STATE UNIVERSITY RESEARCH FOUNDATION, Fort Collins; Franklin A. Graybill; 26 days; \$21,100

Donald R. Wood; 19 days; \$14,300

UNIVERSITY OF FLORIDA, Gainesville; Wallace S. Brey, Jr.; 11 days; \$13,100

GEORGETOWN UNIVERSITY, Washington, D.C.; Matthew P. Thekaekara; 24 days; \$21,300

INSTITUTE OF PAPER CHEMISTRY, Appleton, Wis.; Elwood O. Dillingham; 12 days; \$12,400

KANSAS STATE UNIVERSITY, Manhattan; Warren W. Brandt; 13 days; \$14,000

MICHIGAN COLLEGE OF MINING AND TECHNOLOGY, Houghton; Kenneth M. McMillin; 19 days; \$7,500

MONTCLAIR STATE COLLEGE, Upper Montclair, N.J.; Max A. Sobel; 24 days; \$17,800

UNIVERSITY OF NORTH CAROLINA, Chapel Hill; Victor A. Greulich; 19 days; \$14,100

OKLAHOMA STATE UNIVERSITY, Stillwater; James H. Zant; 21 days; \$19,700

UNIVERSITY OF OKLAHOMA, Norman; Richard V. Andree; 23 days; \$29,000

PURDUE UNIVERSITY, Lafayette, Ind.; John F. Schafer; 12 days; \$13,900

RUTGERS, THE STATE UNIVERSITY, New Brunswick, N.J.; Richard F. Gabriel; 20 days; \$16,600

UNIVERSITY OF SOUTHERN CALIFORNIA, Los Angeles; Robert D. Vold; 16 days; \$13,600

TEMPLE UNIVERSITY, Philadelphia, Pa.; Elmer L. Offenbacher; 20 days; \$18,000

TUFTS UNIVERSITY, Medford, Mass.; M. Kent Wilson; 11 days; \$14,500

WASHINGTON AND JEFFERSON COLLEGE, Washington, Pa.; Wray G. Brady; 12 days; \$9,100

SUMMER SCIENCE TRAINING PROGRAM FOR SECONDARY SCHOOL STUDENTS

AGRICULTURAL, MECHANICAL, AND NORMAL COLLEGE, Pine Bluff, Ark.; Rufus L. Caine; 5 weeks; \$5,870

AGRICULTURAL AND MECHANICAL COLLEGE OF TEXAS, College Station; Melvin Elsner; 5 weeks; \$7,355

Jack T. Kent; 6 weeks; \$8,775

William S. McCulley; 6 weeks; \$7,520

Fred E. Smith; 6 weeks; \$9,345

John J. Sperry; 6 weeks; \$6,115

AGRICULTURAL AND TECHNICAL COLLEGE OF NORTH CAROLINA, Greensboro; Booker T. White; 6 weeks; \$17,740
UNIVERSITY OF ALASKA COLLEGE, William S. Wilson; 3 weeks; \$13,585
AMERICAN ACADEMY OF ARTS AND SCIENCES, Brookline, Mass.; William Stergios; 10 weeks; \$23,585
AMERICAN METEOROLOGICAL SOCIETY, Boston, Mass.; Vincent J. Schaefer; 7 weeks; \$17,720
AMERICAN MUSEUM OF NATURAL HISTORY, New York, N.Y.; Franklyn M. Branley; 4 weeks; \$8,260
APPALACHIAN STATE TEACHERS COLLEGE, Boone, N.C.; F. Ray Derrick; 5 weeks; \$13,680
ARIZONA STATE COLLEGE, Flagstaff; J. Harvey Butchart; 5 weeks; \$6,815
UNIVERSITY OF ARIZONA, Tucson; Henry Freiser; 10 weeks; \$14,620
ASBURY COLLEGE, Wilmore, Ky.; J. Paul Ray; 8 weeks; \$10,875
ASSUMPTION COLLEGE, Worcester, Mass.; Alfons J. van der Linden; 6 weeks; \$14,765
AUBURN UNIVERSITY, Auburn, Ala.; Joseph T. Hood; 6 weeks; \$5,370
AUGSBURG COLLEGE AND THEOLOGICAL SEMINARY, Minneapolis, Minn.; Courtland L. Agre; 6 weeks; \$4,950
BENNETT COLLEGE, Greensboro, N.C.; J. Henry Sayles; 6 weeks; \$23,835
BOWLING GREEN STATE UNIVERSITY, Bowling Green, Ohio; W. H. Hall; 5 weeks; \$5,495
UNIVERSITY OF BRIDGEPORT, Bridgeport, Conn.; Earle M. Bigsbee; 7 weeks; \$22,970
BROWN UNIVERSITY, Providence, R.I.; Charles B. MacKay; 6 weeks; \$20,430
BUCKNELL UNIVERSITY, Lewisburg, Pa.; Lester Kieft; 13 weeks; \$9,635
UNIVERSITY OF BUFFALO, N.Y.; Robert Guthrie; 8 weeks; \$12,570
BUTLER UNIVERSITY, Indianapolis, Ind.; William H. Bessey; 7 weeks; \$6,470
UNIVERSITY OF CALIFORNIA, Berkeley; Howard A. Shugart; 9 weeks; \$19,920
 Frantisek Wolf; 6 weeks; \$6,725
 Moshe Shifrine, Davis; 6 weeks; \$15,420
 Norris W. Rakestraw, La Jolla; 10 weeks; \$5,515
 Clifford Bell, Los Angeles; 6 weeks; \$7,425
CARNEGIE INSTITUTE OF TECHNOLOGY, Pittsburgh, Pa.; E. M. Williams; 9 weeks; \$2,615
CASE INSTITUTE OF TECHNOLOGY, Cleveland, Ohio; L. J. Green; 6 weeks; \$4,885
CENTRAL MICHIGAN UNIVERSITY, Mount Pleasant; Malcolm H. Filson; 6 weeks; \$12,010
CHAPMAN COLLEGE, Orange, Calif.; Peter Coad; 9 weeks; \$5,650
CHICAGO ACADEMY OF SCIENCES, Ill.; William J. Beecher; 1 year; \$12,075
CITY COLLEGE OF NEW YORK, New York, N.Y.; Chester B. Kremer; 6 weeks; \$13,480
COLGATE UNIVERSITY, Hamilton, N.Y.; Robert E. Todd; 6 weeks; \$14,960
COLORADO COLLEGE, Colorado Springs; Richard G. Beidleman; 8 weeks; \$9,670
COLORADO SCHOOL OF MINES, Golden; James L. Hall; 6 weeks; \$13,985
COLORADO-WYOMING ACADEMY OF SCIENCE, Boulder; Richard G. Beidleman, Colorado College; 1 year; \$3,350
COMMITTEE FOR ADVANCE SCIENCE TRAINING, Los Angeles, Calif.; Harry Sobel; 10 weeks; \$7,985
COOPER UNION FOR THE ADVANCEMENT OF SCIENCE AND ART, N.Y., N.Y.; Edward M. Griswold; 6 weeks; \$22,585
DENISON UNIVERSITY, Granville, Ohio; Robert W. Alrutz; 8 weeks; \$8,140
UNIVERSITY OF DENVER, Colo.; R. B. Feagin; 9 weeks; \$6,125
EASTERN ILLINOIS UNIVERSITY, Charleston; Weldon N. Baker; 8 weeks; \$13,480
EAST TEXAS STATE COLLEGE, Commerce; C. B. Wright; 6 weeks; \$6,450
EMORY AND HENRY COLLEGE, Emory, Va.; Marius Blesi; 5 weeks; \$6,795
EMORY UNIVERSITY, Atlanta, Ga.; James George Lester; 5 weeks; \$20,750
UNIVERSITY OF FLORIDA, Gainesville; Luther A. Arnold; 8 weeks; \$10,470
FLORIDA STATE UNIVERSITY, Tallahassee; Eugene D. Nichols; 6 weeks; \$7,925
GENEVA COLLEGE, Beaver Falls, Pa.; Roy M. Adams; 9 weeks; \$6,800
GEORGE WASHINGTON UNIVERSITY, Washington, D.C.; Martin Alexander Mason; 4 weeks; \$5,050
UNIVERSITY OF GEORGIA, Athens; Thomas H. Whitehead; 6 weeks; \$10,700
UNIVERSITY OF HAWAII, Honolulu, Donald C. McGuire; 7 weeks; \$16,790
COLLEGE OF THE HOLY NAMES, Oakland, Calif.; Sister Mary Baptista; 6 weeks; \$9,070
UNIVERSITY OF HOUSTON, Tex.; John C. Alled; 6 weeks; \$12,375
HOWARD UNIVERSITY, Washington, D.C.; Herman Branson; 8 weeks; \$12,540
HUMBOLDT STATE COLLEGE FOUNDATION, Arcata, Calif.; John E. Butler; 4 weeks; \$12,970
HUNTER COLLEGE, N.Y., N.Y.; Melvin S. Schwartz; 6 weeks; \$6,865
 Henry D. Thompson; 5 weeks; \$4,505
ILLINOIS INSTITUTE OF TECHNOLOGY, Chicago; Halm Reingold; 36 weeks; \$17,650
UNIVERSITY OF ILLINOIS, Urbana; Jerry S. Dobrovoiny; 6 weeks; \$11,835
INDIANA UNIVERSITY, Bloomington; Paul Klinge; 8 weeks; \$20,070
INTEB AMERICAN UNIVERSITY, San German, P.R.; Ismael Velez; 6 weeks; \$13,675
JACKSON STATE COLLEGE, Jackson, Miss.; Benjamin H. McLemore; 6 weeks; \$6,295
JOINT BOARD ON SCIENCE EDUCATION, Washington, D.C.; Leo Schubert, American University; 8 weeks; \$2,500
KANSAS STATE TEACHERS COLLEGE, Emporia; Otto M. Smith; 6 weeks; \$13,520
UNIVERSITY OF KANSAS, Lawrence; Robert W. Baxter; 3 weeks; \$17,760

KENYON COLLEGE, Gambier, Ohio; Daniel T. Finkbeiner; 4 weeks; \$12,010
LASALLE COLLEGE, Philadelphia, Pa.; John S. Penny; 8 weeks; \$6,765
LEHIGH UNIVERSITY, Bethlehem, Pa.; Albert Wilansky; 6 weeks; \$5,845
LE MOYNE COLLEGE, Memphis, Tenn.; W. W. Gibson; 6 weeks; \$10,575
LIVINGSTONE COLLEGE, Salisbury, N.C.; Victor Julius Tulane; 6 weeks; \$9,215
LONG BEACH STATE COLLEGE FOUNDATION, Long Beach, Calif.; Darwin Lyell Mayfield; 9 weeks; \$885
LOUISIANA POLYTECHNIC INSTITUTE, Ruston; William R. Higgs; 9 weeks; \$15,970
LOUISIANA STATE UNIVERSITY, Baton Rouge; Harry J. Bennett; 9 weeks; \$4,675
 John E. Christman; 9 weeks; \$19,355
LOYOLA UNIVERSITY OF LOS ANGELES, Calif.; Clarence J. Wallen; 30 weeks; \$2,865
MANCHESTER COLLEGE, North Manchester, Ind.; Harry R. Welmer; 8 weeks; \$6,895
MANHATTAN COLLEGE, New York, N.Y.; C. Leonard O'Connor; 6 weeks; \$10,210
UNIVERSITY OF MARYLAND, College Park; Howard Laster; 13 weeks; \$6,020
UNIVERSITY OF MIAMI, Coral Gables, Fla.; J. H. Curtiss; 6 weeks; \$9,670
 Clarence Pervis Idyll; 9 weeks; \$9,095
MICHIGAN STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE, East Lansing; M. Isobel Blyth; 6 weeks; \$22,120
MISSISSIPPI STATE UNIVERSITY, State College; Clyde Q. Sheely; 4 weeks; \$12,620
UNIVERSITY OF MISSOURI, Columbia; Charles Roy Remington, Jr.; 7 weeks; \$13,940
MONTANA STATE COLLEGE, Bozeman; Charles Crane Bradley; 10 weeks; \$8,460
MORGAN STATE COLLEGE, Baltimore, Md.; John W. King; 6 weeks; \$17,935
MURRAY STATE COLLEGE, Murray, Ky.; W. E. Blackburn; 8 weeks; \$20,295
NASSON COLLEGE, Springvale, Maine; Lamar Washington; 6 months; \$18,000
NATIONAL CHILDREN'S CARDIAC HOSPITAL, Miami, Fla.; Milton S. Saslaw; 16 months; \$8,570
NEWARK COLLEGE OF ENGINEERING RESEARCH FOUNDATION, N.J.; Joseph M. Fitzgerald; 5 weeks; \$3,220
NEW MEXICO STATE UNIVERSITY OF AGRICULTURE, ENGINEERING, AND SCIENCE, University Park; E. L. Cleveland; 6 weeks; \$7,180
NEW YORK UNIVERSITY, N.Y., N.Y.; Harry A. Charipper; 6 weeks; \$5,065
UNIVERSITY OF NORTH CAROLINA, Chapel Hill; Samuel B. Knight; 6 weeks; \$18,245
 Hollis J. Rogers, Greensboro; 4 weeks; \$6,540
NORTH CAROLINA COLLEGE; DURHAM; James Sumner Lee; 6 weeks; \$14,680
UNIVERSITY OF NORTH DAKOTA, Grand Forks; Paul B. Karnowski; 6 weeks; \$8,630
NORTH DAKOTA STATE UNIVERSITY, Fargo; H. G. Heggeness; 8 weeks; \$12,785
NORTHEASTERN UNIVERSITY, Boston, Mass.; Charles M. Goolsby; 6 weeks; \$10,300
NORTHERN MICHIGAN COLLEGE, Marquette; Henry S. Helmonen; 4 weeks; \$10,900
NORTHWESTERN UNIVERSITY, Evanston, Ill.; F. C. Seulerberger; 5 weeks; \$21,955
NORTHWESTERN STATE COLLEGE OF LOUISIANA, Natchitoches; Richard E. Garth; 9 weeks; \$5,195
UNIVERSITY OF NOTRE DAME, Notre Dame, Ind.; Arnold E. Ross; 7 weeks; \$20,740
OHIO STATE UNIVERSITY, Columbus; T. Scott Sutton; 4 weeks; \$5,110
 Paul T. Yarrington; 10 weeks; \$7,935
OHIO UNIVERSITY, Athens; James T. Shipman; 5 weeks; \$14,305
OKLAHOMA STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE, Stillwater; L. F. Sheerar; 6 weeks; \$10,580
UNIVERSITY OF OKLAHOMA, Norman; Horace E. Hoffman; 8 weeks; \$20,500
OREGON STATE COLLEGE, Corvallis; Robert Eugene Gaskell; 7 weeks; \$16,560
UNIVERSITY OF THE PACIFIC, Stockton, Calif.; Jesse S. Binford, Jr.; 6 weeks; \$9,905
PAN AMERICAN COLLEGE, Edinburg, Tex.; Paul R. Engle; 6 weeks; \$9,840
PEPPERDINE COLLEGE, Los Angeles, Calif.; Ladis Daniel Kovach; 4 weeks; \$2,370
UNIVERSITY OF PITTSBURGH, Pa.; John R. Jablonski; 12 weeks; \$6,810
POLYTECHNIC INSTITUTE OF BROOKLYN, N.Y.; Reed F. Riley; 9 weeks; \$7,720
PORTLAND STATE COLLEGE, Ore.; Robert Weir Remfior; 10 weeks; \$10,035
PRAIRIE VIEW AGRICULTURAL AND MECHANICAL COLLEGE, Prairie View, Tex.; Israel E. Glover; 6 weeks; \$6,325
 Charles H. Nicholas; 6 weeks; \$6,795
 E. E. O'Banion; 6 weeks; \$7,500
PRATT INSTITUTE, Brooklyn, N.Y.; David Vitrogan; 6 weeks; \$9,070
UNIVERSITY OF PUERTO RICO, Rio Piedras; Francisco Garriga; 6 weeks; \$9,340
 Eddie Ortiz; 6 weeks; \$10,690
PURDUE UNIVERSITY, Lafayette, Ind.; Richard C. Dobson; 8 weeks; \$19,460
UNIVERSITY OF RHODE ISLAND, Kingston; William H. Wiley; 4 weeks; \$4,300
ROLLINS COLLEGE, Winter Park, Fla.; Bruce B. Wavell; 6 weeks; \$7,885
ROSCOE B. JACKSON MEMORIAL LABORATORY, Bar Harbor, Maine; John Longworthy Fuller; 10 weeks; \$15,720
ROSWELL PARK MEMORIAL INSTITUTE, Buffalo, N.Y.; Edwin A. Mirand; 8 weeks; \$11,230
ST. CLOUD STATE COLLEGE, St. Cloud, Minn.; Philip Youngner; 4 weeks; \$9,800
ST. JOHN'S UNIVERSITY, Jamaica, N.Y.; William H. Pasfield; 6 weeks; \$10,935
COLLEGE OF ST. JOSEPH ON THE RIO GRANDE, Albuquerque, N. Mex.; Mary Lauriana Saam; 6 weeks; \$9,070
ST. LOUIS UNIVERSITY, St. Louis, Mo.; John J. Andrews; 4 weeks; \$5,320
SAN JOSE STATE COLLEGE CORP., Calif.; Wilbur Sprain; 6 weeks; \$12,495
UNIVERSITY OF SANTA CLARA, Santa Clara, Calif.; Arthur T. Phelps; 6 weeks; \$7,800
SIMPSON COLLEGE, Indianola, Iowa; Jack L. Carter; 6 weeks; \$6,175

SOUTH CAROLINA STATE COLLEGE, Orangeburg; George W. Hunter; 6 weeks; \$12,640

SOUTH DAKOTA STATE COLLEGE, Brookings; Stanley Sundet; 6 weeks; \$6,235

SOUTHEASTERN STATE COLLEGE, Durant, Okla.; Leslie A. Dwight; 5 weeks; \$4,950

SOUTHERN ILLINOIS UNIVERSITY, Carbondale; Howard G. Applegate; 6 weeks; \$14,705

SOUTHERN METHODIST UNIVERSITY, Dallas, Tex.; Frank J. Palas; 5 weeks; \$6,975

SOUTHERN STATE COLLEGE, Magnolia, Ark.; John J. Chapman; 6 weeks; \$3,050

SOUTHWESTERN AT MEMPHIS, Tenn.; Raymond T. Vaughn; 6 weeks; \$4,970

STATE UNIVERSITY OF IOWA, Iowa City; Robert E. Yager; 8 weeks; \$23,960

STATE UNIVERSITY OF NEW YORK, Geneseo; Edward F. Pierce; 13 weeks; \$2,250

STATE UNIVERSITY OF SOUTH DAKOTA, Vermillion; Wayne W. Gutzman; 6 weeks; \$7,940

STEPHEN F. AUSTIN STATE COLLEGE, Nacogdoches, Tex.; Edwin L. Miller; 6 weeks; \$7,925

TEMPLE UNIVERSITY, Philadelphia, Pa.; Walter S. Lawton; 6 weeks; \$9,020

UNIVERSITY OF TENNESSEE, Knoxville; J. H. Wood; 6 weeks; \$10,315

TEXAS TECHNOLOGICAL COLLEGE, Lubbock; J. W. Day; 5 weeks; \$6,565

UNIVERSITY OF TEXAS, Austin; Robert L. Augustine; 6 weeks; \$9,750

Murray M. Copeland, Houston; 8 weeks; \$4,570

H. J. Ettlinger; 6 weeks; \$5,970

Irwin Spear; 6 weeks; \$9,130

TEXAS WOMAN'S UNIVERSITY, Denton; Robert W. Higgins; 8 weeks; \$13,725

UNIVERSITY OF TULSA, Okla.; C. D. Thomas; 6 weeks; \$10,065

TUSKEGEE INSTITUTE, Tuskegee Institute, Ala.; Bennie D. Mayberry; 10 weeks; \$14,185

UNIVERSITY OF UTAH, Salt Lake City; Edward Allan Davis; 4 weeks; \$5,690

William Lee Stokes; 6 weeks; \$8,230

VIRGINIA UNION UNIVERSITY, Richmond; Walter Oswald Bradley; 6 weeks; \$9,375

VIRGINIA STATE COLLEGE, Petersburg; Paul L. Brown, Norfolk; 6 weeks; \$12,490

WASHINGTON UNIVERSITY, St. Louis, Mo.; Richard Sutherland; 6 weeks; \$4,310

John Crenshaw, Southern Illinois U.; 5 weeks; \$3,940

WESTERN ILLINOIS UNIVERSITY, Macomb; Eugene Pergament; 8 weeks; \$3,860

WESTERN KENTUCKY STATE COLLEGE, Bowling Green; Tate C. Page; 8 weeks; \$23,420

WESTERN MICHIGAN UNIVERSITY, Kalamazoo; George Greisen Mallinson; 6 weeks; \$12,580

WEST VIRGINIA UNIVERSITY, Morgantown; O. J. Burger; 4 weeks; \$4,470

WEST VIRGINIA WESLEYAN COLLEGE, Buckhannon; John C. Wright; 4 weeks; \$10,280

WHITWORTH COLLEGE, Spokane, Wash.; William G. Willson; 6 weeks; \$8,075

WOFFORD COLLEGE, Spartanburg, S.C.; James C. Loftin; 7 weeks; \$12,000

WORCESTER FOUNDATION FOR EXPERIMENTAL BIOLOGY, Shrewsbury, Mass.; Frederick R. Avis, St. Mark's School; 9 weeks; \$18,185

YESHIVA UNIVERSITY, N.Y., N.Y.; Moses D. Tendler; 8 weeks; \$9,430

COOPERATIVE COLLEGE-SCHOOL SCIENCE PROGRAM

COLUMBIA UNIVERSITY, New York, N.Y.; Donald Barr; 18 months; \$76,460

CORNELL UNIVERSITY, Ithaca, N.Y.; Phillip G. Johnson; 11 weeks; \$4,960

Phillip G. Johnson; 18 months; \$20,400

Thomas R. Nielsen; 6½ weeks; \$36,000

DARTMOUTH COLLEGE, Hanover, N.H.; William P. Davis, Jr.; 11 months; \$985

GEORGE PEABODY COLLEGE FOR TEACHERS, Nashville, Tenn.; David Turney; 1 year; \$52,885

HIRAM COLLEGE, Hiram, Ohio; Edward B. Rosser; 5 weeks; \$8,080

Edward B. Rosser; 5 weeks; \$6,815

KEENE TEACHERS COLLEGE, Keene, N.H.; R. Phillip Hugny, Concord; 6 weeks; \$27,000

UNIVERSITY OF MICHIGAN, Ann Arbor; Leigh C. Anderson; 6 weeks; \$19,265

NORTHEAST MISSOURI STATE TEACHERS COLLEGE, Kirksville; Dean A. Rosebery; 6 months; \$19,660

UNIVERSITY OF NORTH CAROLINA, Chapel Hill; Willis A. Reid, Raleigh; 6 weeks; \$17,285

NORTHERN ILLINOIS UNIVERSITY, De Kalb; Virginia M. Schelar; 8 weeks; \$12,475

UNIVERSITY OF PITTSBURGH, Pa.; John R. Jablonski; 18 months; \$16,185

UNIVERSITY OF PUERTO RICO, Rio Piedras; Mariano Garcia; 1 year; \$2,040

UNIVERSITY OF RHODE ISLAND, Kingston; James E. Casey; 18 months; \$10,660

RUTGERS, THE STATE UNIVERSITY, New Brunswick, N.J.; Kenneth W. Iversen, Cranford; 1 year; \$2,070

ST. OLAF COLLEGE, Northfield, Minn.; Thomas Rossing; 8 weeks; \$24,105

SOUTHERN CONNECTICUT STATE COLLEGE, New Haven; Edward M. North, Wallingford; 6 weeks; \$26,600

STETSON UNIVERSITY, De Land, Fla.; Harland C. Merriam; 8 weeks; \$16,170

SYRACUSE UNIVERSITY, N.Y.; Alfred T. Collette; 6 weeks; \$13,875

UNIVERSITY OF VIRGINIA, Charlottesville; Bart van't Riet; 8 weeks; \$6,635

WALDEMAR MEDICAL RESEARCH FOUNDATION, Inc., Port Washington, N.Y.; Norman Molomut; 8 weeks; \$13,805

STATE ACADEMIES OF SCIENCE PROGRAM

ACADEMY OF SCIENCE OF ST. LOUIS, Mo.; Muri Deusing, Museum of Science and Natural History; 1 year; \$17,505

ARIZONA ACADEMY OF SCIENCE, Tucson; Paul M. Wallack; 1 year; \$21,115

ARKANSAS ACADEMY OF SCIENCE, Jonesboro; John W. Keese; 1 year; \$10,065

COOPER UNION FOR THE ADVANCEMENT OF SCIENCE AND ART, N.Y., N.Y.; James N. Eastham; 1 year; \$4,960

FLORIDA ACADEMY OF SCIENCE, Gainesville; Luther A. Arnold, University of Florida; 1 year; \$19,150
HAWAII ACADEMY OF SCIENCE, Honolulu; Albert B. Carr, Jr., University of Hawaii; 1 year; \$4,220
 Donald C. McGuire, University of Hawaii; 1 year; \$18,460
 James Moomaw, University of Hawaii; 1 year; \$2,900
IDAHO ACADEMY OF SCIENCES, Pocatello; Elmer K. Raunio, University of Idaho; 1 year; \$15,060
ILLINOIS STATE ACADEMY OF SCIENCE, Urbana; Donald G. Hopkins, Carl Sandburg High School, Orland Park; 1 year; \$15,150
 Norman D. Levine, University of Illinois; 1 year; \$14,090
INDIANA ACADEMY OF SCIENCE, Lafayette; Howard H. Michaud; 1 year; \$17,150
KANSAS ACADEMY OF SCIENCE, Hays; Standlee V. Dalton; 1 year; \$22,440
 Standlee V. Dalton; 1 year; \$9,220
LOUISIANA STATE UNIVERSITY, Baton Rouge; Harry J. Bennett; 1 year; \$8,960
 Harry J. Bennett; 1 year; \$19,840
MARYLAND ACADEMY OF SCIENCES, Baltimore; Thomson King; 1 year; \$1,680
 Thomson King; 20 months; \$14,755
MICHIGAN ACADEMY OF SCIENCE, ARTS, AND LETTERS, East Lansing; Wayne Taylor, Michigan State University; 1 year; \$20,895
MINNESOTA ACADEMY OF SCIENCE, St. Paul; John L. Rendall; 1 year; \$23,300
MISSISSIPPI ACADEMY OF SCIENCES, INC., Clinton; Clyde Q. Sheely, Mississippi State University; 1 year; \$35,600
MONTANA ACADEMY OF SCIENCES, Bozeman; John H. Rumely; 1 year; \$12,800
MUSEUM OF ART, SCIENCE AND INDUSTRY, Bridgeport, Conn.; Earle W. Newton; 1 year; \$10,925
NEBRASKA ACADEMY OF SCIENCES, INC., Lincoln; James A. Rutledge; 1 year; \$17,465
NEW HAMPSHIRE ACADEMY OF SCIENCE, New London; Allen L. King; 1 year; \$9,490
 Allen L. King; 1 year; \$9,370
 Howard I. Wagner; 1 year; \$3,000
NEW MEXICO ACADEMY OF SCIENCE, Socorro; Joseph A. Schuffe; 1 year; \$9,785
 Joseph A. Schuffe; 1 year; \$1,600
 Joseph A. Schuffe; 1 year; \$1,600
NORTH CAROLINA ACADEMY OF SCIENCE, Swannanoa; Herbert E. Speece, North Carolina State College; 1 year; \$20,600
OHIO ACADEMY OF SCIENCE, Cincinnati; G. Gerald Acker, Bowling Green State University; 1 year; \$7,735
 Kenneth B. Hobbs; 1 year; \$23,000
OKLAHOMA ACADEMY OF SCIENCE, Oklahoma City; Robert C. Fite, Oklahoma State University; 1 year; \$6,520
 J. Teague Self; 1 year; \$27,635
PENNSYLVANIA ACADEMY OF SCIENCE, Reading; Charles L. Bikle; 1 year; \$9,760
UNIVERSITY OF PUERTO RICO, Rio Piedras; Herminio Lugo Lugo; 1 year; \$29,400
SOUTH DAKOTA ACADEMY OF SCIENCE, Brookings; John M. Winter, State University of South Dakota; 1 year; \$8,820
 John M. Winter; 1 year; \$9,225
 John M. Winter; 1 year; \$3,635
STATE UNIVERSITY OF IOWA, Iowa City; T. R. Porter; 1 year; \$22,840
TENNESSEE ACADEMY OF SCIENCE, Oak Ridge; Myron S. McCay, University of Chattanooga; 1 year; \$12,500
 Arlo I. Smith, Southwestern at Memphis; 1 year; \$18,785
TEXAS ACADEMY OF SCIENCE, Austin; Charles La Motte, Agricultural and Mechanical College of Texas; 1 year; \$9,725
TEXAS ACADEMY OF SCIENCE, Dallas; Addison E. Lee, University of Texas; 1 year; \$23,920
UTAH ACADEMY OF SCIENCES, ARTS, AND LETTERS, Provo; Orson Whitney Young, Weber College; 1 year; \$14,720
WASHINGTON ACADEMY OF SCIENCE, Washington, D.C.; John K. Taylor, National Bureau of Standards; 1 year; \$26,775
WEST VIRGINIA ACADEMY OF SCIENCE, Morgantown; John C. Wright, West Virginia Wesleyan College; 1 year; \$5,880
 John C. Wright; 1 year; \$1,800
RESEARCH PARTICIPATION FOR COLLEGE TEACHERS PROGRAM
AGRICULTURAL AND MECHANICAL COLLEGE OF TEXAS, College Station; J. B. Coon; 18 months; \$10,260
 A. F. Isbell; 3 months; \$5,120
BOSTON UNIVERSITY, Mass.; Lowell V. Coulter; 2 years; \$30,825
BRANDEIS UNIVERSITY, Waltham, Mass.; B. Dorain; 3 months; \$10,660
UNIVERSITY OF BUFFALO, Buffalo, N.Y.; Howard Tieckelmann; 2 years; \$12,460
UNIVERSITY OF CALIFORNIA, Berkeley; Curt Stern; 2 years; \$12,380
CATHOLIC UNIVERSITY OF AMERICA, Washington, D.C.; Leopold May; 2 years; \$10,940
CLARK UNIVERSITY, Worcester, Mass.; Gerson Kegeles, 3 months; \$14,510
UNIVERSITY OF COLORADO, Boulder; Albert A. Bartlett; 3 months; \$12,430
 Bert M. Tolbert; 6 months; \$24,360
FLORIDA STATE UNIVERSITY, Tallahassee; Leonard Shanor; 3 months; \$9,290
 Barron B. Scarborough; 3 months; \$11,220
UNIVERSITY OF GEORGIA, Athens; Robert A. McRorie; 3 months; \$4,320
HOWARD UNIVERSITY, Washington, D.C.; Lloyd N. Ferguson; 3 months; \$13,470
ILLINOIS INSTITUTE OF TECHNOLOGY, Chicago; Sidney I. Miller; 2 years; \$28,750
INDIANA UNIVERSITY, Bloomington; L. S. McClung; 2 years; \$18,920
 Roger W. Russell; 2 years; \$22,320
IOWA STATE UNIVERSITY, Ames; Paul F. Romberg; 3 months; \$7,465
KANSAS STATE UNIVERSITY, Manhattan; Jack L. Lambert; 1 year; \$30,845
UNIVERSITY OF KANSAS, Lawrence; C. A. Vanderwerf; 6 months; \$24,270
LEHIGH UNIVERSITY, Bethlehem, Pa.; Thomas E. Young; 3 months; \$2,640

LOUISIANA STATE UNIVERSITY, Baton Rouge; R. V. Nauman; 3 months; \$13,480

Vincent E. Parker; 3 months; \$14,870

UNIVERSITY OF MASSACHUSETTS, Amherst; D. S. Van Fleet; 3 months; \$4,880

UNIVERSITY OF MICHIGAN, Ann Arbor; Robert L. Isaacson; 1 year; \$61,240

UNIVERSITY OF MISSISSIPPI, University; Paul A. D. de Maine; 3 months; \$12,110

UNIVERSITY OF NEBRASKA, Lincoln; John Weymouth; 3 months; \$9,500

NEW YORK UNIVERSITY, New York, N.Y.; Alvin I. Kosak; 3 months; \$14,795

Leonard Yarmus; 3 months; \$8,620

UNIVERSITY OF NORTH CAROLINA, Chapel Hill; Homer C. Folks, Raleigh; 3 months; \$21,700

T. E. Maki, Raleigh; 3 months; \$3,910

William T. Snyder, Raleigh; 1 year; \$14,630

UNIVERSITY OF NORTH DAKOTA, Grand Forks; H. E. Ederstrom; 3 months; \$2,880

OHIO STATE UNIVERSITY, Columbus; F. E. Deatherage; 3 months; \$14,190

OKLAHOMA STATE UNIVERSITY, Stillwater; Glenn W. Todd; 1 year; \$11,360

UNIVERSITY OF OKLAHOMA, Norman; Alfred J. Weinheimer; 1 year; \$12,235

OREGON STATE COLLEGE, Corvallis; W. H. Slabaugh; 6 months; \$23,980

PENNSYLVANIA STATE UNIVERSITY, University Park; William M. Lepley; 3 months; \$16,960

Monty J. Montjar, 3 months; \$9,835

John A. Sauer; 3 months; \$9,835

PURDUE UNIVERSITY, Lafayette, Ind.; Kirk L. Athow; 3 months; \$2,860

RESEARCH FOUNDATION, OKLAHOMA STATE UNIVERSITY, Stillwater; Troy C. Dorris; 3 months; \$5,550

Marvin T. Edmison; 3 months; \$7,680

RESEARCH FOUNDATION OF STATE UNIVERSITY OF NEW YORK, Albany; Edwin C. Jahn, Syracuse; 3 months; \$9,300

UNIVERSITY OF SOUTH CAROLINA, Columbia; Peyton C. Teague; 3 months; \$4,730

UNIVERSITY OF SOUTHERN CALIFORNIA, Los Angeles; Charles S. Copeland; 3 months; \$15,180

STANFORD UNIVERSITY, Stanford, Calif.; Willis W. Harman; 3 months; \$21,680

STATE UNIVERSITY OF IOWA, Iowa City; Don Lewis; 3 months; \$8,180

Ralph L. Shriner; 6 months; \$13,420

UNIVERSITY OF TENNESSEE, Knoxville; William E. Bull; 3 months; \$19,300

UNIVERSITY OF TEXAS, Austin; Harold C. Bold; 2 years; \$30,650

UNIVERSITY OF UTAH, Salt Lake City; W. J. Burke; 2 years; \$38,390

VIRGINIA FISHERIES LABORATORY, Gloucester Point; Robert S. Bailey; 3 months; \$18,810

UNIVERSITY OF VIRGINIA, Charlottesville; Bart van't Riet; 1 year; \$10,810

UNIVERSITY OF CALIFORNIA, Berkeley; Fred E. Dickinson; 1 year; \$32,430

UNIVERSITY OF CALIFORNIA, Berkeley; Fred E. Dickinson; 1 year; \$32,430

UNIVERSITY OF CALIFORNIA, Berkeley; Fred E. Dickinson; 1 year; \$32,430

UNIVERSITY OF CALIFORNIA, Berkeley; Fred E. Dickinson; 1 year; \$32,430

UNIVERSITY OF CALIFORNIA, Berkeley; Fred E. Dickinson; 1 year; \$32,430

UNIVERSITY OF CALIFORNIA, Berkeley; Fred E. Dickinson; 1 year; \$32,430

UNIVERSITY OF CALIFORNIA, Berkeley; Fred E. Dickinson; 1 year; \$32,430

BOYCE THOMPSON INSTITUTE FOR PLANT RESEARCH, INC., Yonkers, N.Y.; Lawrence P. Miller; 3 months; \$6,235

BRIGHAM YOUNG UNIVERSITY, Provo, Utah; Lane A. Compton; 3 months; \$11,795

UNIVERSITY OF BUFFALO, N.Y.; Howard Tieckelmann; 1 year; \$14,875

UNIVERSITY OF CALIFORNIA, Berkeley; Fred E. Dickinson; 1 year; \$32,430

UNIVERSITY OF CALIFORNIA, Berkeley; Fred E. Dickinson; 1 year; \$32,430

UNIVERSITY OF CALIFORNIA, Berkeley; Fred E. Dickinson; 1 year; \$32,430

UNIVERSITY OF CALIFORNIA, Berkeley; Fred E. Dickinson; 1 year; \$32,430

UNIVERSITY OF CALIFORNIA, Berkeley; Fred E. Dickinson; 1 year; \$32,430

UNIVERSITY OF CALIFORNIA, Berkeley; Fred E. Dickinson; 1 year; \$32,430

UNIVERSITY OF CALIFORNIA, Berkeley; Fred E. Dickinson; 1 year; \$32,430

UNIVERSITY OF CALIFORNIA, Berkeley; Fred E. Dickinson; 1 year; \$32,430

UNIVERSITY OF CALIFORNIA, Berkeley; Fred E. Dickinson; 1 year; \$32,430

UNIVERSITY OF CALIFORNIA, Berkeley; Fred E. Dickinson; 1 year; \$32,430

UNIVERSITY OF CALIFORNIA, Berkeley; Fred E. Dickinson; 1 year; \$32,430

UNIVERSITY OF CALIFORNIA, Berkeley; Fred E. Dickinson; 1 year; \$32,430

UNIVERSITY OF CALIFORNIA, Berkeley; Fred E. Dickinson; 1 year; \$32,430

UNIVERSITY OF CALIFORNIA, Berkeley; Fred E. Dickinson; 1 year; \$32,430

UNIVERSITY OF CALIFORNIA, Berkeley; Fred E. Dickinson; 1 year; \$32,430

UNIVERSITY OF CALIFORNIA, Berkeley; Fred E. Dickinson; 1 year; \$32,430

UNIVERSITY OF CALIFORNIA, Berkeley; Fred E. Dickinson; 1 year; \$32,430

UNIVERSITY OF CALIFORNIA, Berkeley; Fred E. Dickinson; 1 year; \$32,430

UNIVERSITY OF CALIFORNIA, Berkeley; Fred E. Dickinson; 1 year; \$32,430

UNIVERSITY OF CALIFORNIA, Berkeley; Fred E. Dickinson; 1 year; \$32,430

UNIVERSITY OF CALIFORNIA, Berkeley; Fred E. Dickinson; 1 year; \$32,430

UNIVERSITY OF CALIFORNIA, Berkeley; Fred E. Dickinson; 1 year; \$32,430

UNIVERSITY OF CALIFORNIA, Berkeley; Fred E. Dickinson; 1 year; \$32,430

UNIVERSITY OF CALIFORNIA, Berkeley; Fred E. Dickinson; 1 year; \$32,430

UNIVERSITY OF CALIFORNIA, Berkeley; Fred E. Dickinson; 1 year; \$32,430

UNIVERSITY OF CALIFORNIA, Berkeley; Fred E. Dickinson; 1 year; \$32,430

UNIVERSITY OF CALIFORNIA, Berkeley; Fred E. Dickinson; 1 year; \$32,430

UNIVERSITY OF CALIFORNIA, Berkeley; Fred E. Dickinson; 1 year; \$32,430

UNIVERSITY OF CALIFORNIA, Berkeley; Fred E. Dickinson; 1 year; \$32,430

UNIVERSITY OF CALIFORNIA, Berkeley; Fred E. Dickinson; 1 year; \$32,430

UNIVERSITY OF CALIFORNIA, Berkeley; Fred E. Dickinson; 1 year; \$32,430

UNIVERSITY OF CALIFORNIA, Berkeley; Fred E. Dickinson; 1 year; \$32,430

UNIVERSITY OF CALIFORNIA, Berkeley; Fred E. Dickinson; 1 year; \$32,430

UNIVERSITY OF CALIFORNIA, Berkeley; Fred E. Dickinson; 1 year; \$32,430

UNIVERSITY OF CALIFORNIA, Berkeley; Fred E. Dickinson; 1 year; \$32,430

RESEARCH PARTICIPATION FOR HIGH SCHOOL TEACHERS PROGRAM

UNIVERSITY OF ARIZONA, Tucson; A. B. Weaver; 18 months; \$26,500

UNIVERSITY OF ARIZONA, Tucson; A. B. Weaver; 18 months; \$26,500

UNIVERSITY OF ARIZONA, Tucson; A. B. Weaver; 18 months; \$26,500

UNIVERSITY OF ARIZONA, Tucson; A. B. Weaver; 18 months; \$26,500

UNIVERSITY OF ARIZONA, Tucson; A. B. Weaver; 18 months; \$26,500

UNIVERSITY OF CALIFORNIA, Berkeley; Fred E. Dickinson; 1 year; \$32,430

UNIVERSITY OF CALIFORNIA, Berkeley; Fred E. Dickinson; 1 year; \$32,430

UNIVERSITY OF CALIFORNIA, Berkeley; Fred E. Dickinson; 1 year; \$32,430

UNIVERSITY OF CALIFORNIA, Berkeley; Fred E. Dickinson; 1 year; \$32,430

UNIVERSITY OF CALIFORNIA, Berkeley; Fred E. Dickinson; 1 year; \$32,430

UNIVERSITY OF CALIFORNIA, Berkeley; Fred E. Dickinson; 1 year; \$32,430

UNIVERSITY OF OKLAHOMA, Norman; Orrin K. Crosser; 1 year; \$11,195

Carl D. Riggs; 3 months; \$8,430

UNIVERSITY OF THE PACIFIC, Stockton, Calif.; Joel W. Hedgpeth; 1 year; \$13,805

PRAIRIE VIEW AGRICULTURAL AND MECHANICAL COLLEGE, Prairie View, Tex.; E. E. O'Banion; 4 months; \$8,430

RENSSELAER POLYTECHNIC INSTITUTE, Troy, N.Y.; A. A. K. Booth; 19 months; \$28,815

UNIVERSITY OF RHODE ISLAND, Kingston; Eugene C. Winslow; 1 year; \$7,810

ST. JOHN'S UNIVERSITY, Jamaica, N.Y.; Paul T. Medici; 3 months; \$12,655

UNIVERSITY OF SOUTH CAROLINA, Columbia; Peyton C. Teague; 3 months; \$3,060

UNIVERSITY OF SOUTHERN CALIFORNIA, Los Angeles; Charles S. Copeland; 3 months; \$8,050

STANFORD UNIVERSITY, Stanford, Calif.; O. Cutler Shepard; 3 months; \$10,060

STATE UNIVERSITY OF SOUTH DAKOTA, Vermillion; George P. Scott; 1 year; \$13,500

TEXAS SOUTHERN UNIVERSITY, Houston; Lloyd L. Woods; 4 months; \$8,940

U.S. NAVY ELECTRONICS LABORATORY, San Diego, Calif.; Robert W. Young; 3 months; \$3,875

UNIVERSITY OF VERMONT, Burlington; Howard M. Smith, Jr.; 1 year; \$10,925

UNIVERSITY OF VIRGINIA, Charlottesville; Jacques J. Rappaport; 1 year; \$6,445

Bart van't Riet; 1 year; \$7,480

WAYNE STATE UNIVERSITY, Detroit, Mich.; Joseph J. Jasper; 3 months; \$9,935

UNIVERSITY OF WISCONSIN, Madison; Donald H. Bucklin; 1 year; \$32,015

COLLEGE OF WOOSTER, Wooster, Ohio; John D. Reinheimer; 1 year; \$7,820

RESEARCH PARTICIPATION FOR TEACHER TRAINING PROGRAM

BROOKLYN COLLEGE, Brooklyn, N.Y.; Louis G. Moriber; 3 months; \$90

UNDERGRADUATE RESEARCH PARTICIPATION PROGRAM

ADELPHI COLLEGE, Garden City, N.Y.; Joan Brooks; 10 weeks; \$2,015

Richard J. Lacey; 14 months; \$16,600

AGRICULTURAL AND TECHNICAL COLLEGE OF NORTH CAROLINA, Greensboro; Cecile H. Edwards; 14 months \$12,140

George C. Royal, Jr.; 1 year; \$4,555

UNIVERSITY OF ALABAMA, University; Willard F. Gray; 1 year; \$1,535

Margaret Green; 10 weeks; \$7,935

Donald F. Smith; 10 weeks; \$10,065

UNIVERSITY OF ALASKA, College; Allan H. Mick; 12 weeks; \$5,235

ALFRED UNIVERSITY, Alfred, N.Y.; Robert M. Campbell; 10 weeks; \$3,005

ALLEGHENY COLLEGE, Meadville, Pa.; Herbert S. Rhinesmith; 2 years; \$17,165

Georgiana W. Scovill; 1 year; \$3,660.

AMERICAN MUSEUM OF NATURAL HISTORY, N.Y., N.Y.; Evelyn Shaw; 2 years; \$76,705

AMERICAN UNIVERSITY, Washington, D.C.; Alfred B. Chaet; 1 year; \$11,005

AMHERST COLLEGE, Amherst, Mass.; Lincoln Pierson Brower; 10 weeks; \$2,960

UNIVERSITY OF ARKANSAS, Fayetteville; Glen T. Clayton; 1 year; \$5,710

W. L. Evans; 1 year; \$9,570

Arthur Fry; 1 year; \$12,960

ASBURY COLLEGE, Wilmore, Ky.; Julian M. Pike; 1 year; \$7,820

ASSOCIATED UNIVERSITIES INC., New York, N.Y.; Frank D. Drake; 3 months; \$7,200

C. M. Wade; 17 weeks; \$7,200

AUBURN UNIVERSITY, Auburn, Ala.; Moore J. Burns; 1 year; \$10,600

BELOIT COLLEGE, Beloit, Wis.; Donald Lee McMasters; 1 year; \$170

Donald Lee McMasters; 2 years; \$18,495

BETHANY COLLEGE, Bethany, W. Va.; W. D. Richey; 1 year; \$8,560

BOSTON COLLEGE, Chestnut Hill, Mass.; William G. Guindon, S. J.; 1 year; \$2,810

BOSTON UNIVERSITY, Mass.; Norman N. Lichtin; 2 years; \$18,675

Robert F. Slechta; 2 years; \$19,420

BRADFORD DURFEE COLLEGE OF TECHNOLOGY, Fall River, Mass.; Walter E. Conrad; 2 years; \$9,875

BRANDEIS UNIVERSITY, Waltham, Mass.; Paul B. Dorain; 1 year; \$4,830

BROOKLYN COLLEGE, N.Y.; Irving Allan Kaye; 1 year; \$8,325

BRYN MAWR COLLEGE, Bryn Mawr, Pa.; Robert L. Conner; 15 months; \$10,005

BUCKNELL UNIVERSITY, Lewisburg, Pa.; Harold W. Heine; 1 year; \$7,960

UNIVERSITY OF BUFFALO, Buffalo, N.Y.; Theodor Ranov; 1 year; \$3,350

Harriet F. Montague; 1 year; \$3,240

BUTLER UNIVERSITY, Indianapolis, Ind.; John W. Martin; 8 weeks; \$1,490

CALIFORNIA INSTITUTE OF TECHNOLOGY, Pasadena; James Bonner; 2 years; \$28,520

Norman Davidson; 27 months; \$3,450

Richard A. Dean; 1 year; \$2,155

UNIVERSITY OF CALIFORNIA, Berkeley; Donald Carlisle, Los Angeles; 15 months; \$10,095

Daniel Kivelson, Los Angeles; 1 year; \$12,710

Ronald D. Archer, Riverside; 2 years; \$46,430

Robert M. Gottsdanker, Santa Barbara; 1 year; \$5,470

Roger C. Owen, Santa Barbara; 14 months; \$5,640

CANISUS COLLEGE, Buffalo, N.Y.; Herman A. Szymanski; 1 year; \$5,980

CARLETON COLLEGE, Northfield, Minn.; James E. Finholt; 15 months; \$13,570

Thurlo B. Thomas; 1 year; \$8,280

CARNEGIE INSTITUTE OF TECHNOLOGY, Pittsburgh, Pa.; J. Paul Fugassi; 15 months; \$15,800

Richard H. Lambert; 10 weeks; \$6,440

Thomas E. Stelson; 14 months; \$15,870

Everard M. Williams; 2 years; \$13,400

CASE INSTITUTE OF TECHNOLOGY, Cleveland, Ohio; R. H. Thomas; 1 year; \$11,335

CATHOLIC UNIVERSITY OF AMERICA, Washington, D.C.; Leopold May; 1 year; \$7,500

Joseph C. Michalowicz; 10 weeks; \$4,500

CHAPMAN COLLEGE, Orange, Calif.; Peter Coad; 1 year; \$2,480
COLLEGE OF CHARLESTON, Charleston, S.C.; Joseph R. Merkel, Fort Johnson Marine Biological Laboratory; 2 years; \$6,950
UNIVERSITY OF CHICAGO, Ill.; Arnold C. Harberger; 7 months; \$15,920
 Daniel L. Harris; 10 weeks; \$14,590
UNIVERSITY OF CINCINNATI, Ohio; Ronald G. Schmidt; 1 year; \$1,840
CITY COLLEGE, N.Y., N.Y.; Frank Brescia; 2 years; \$50,500
CLARK UNIVERSITY, Worcester, Mass.; Vernon Ahmadjian; 1 year; \$3,280
 Gerson Kegeles; 2 years; \$15,640
CLARKSON COLLEGE OF TECHNOLOGY, Potsdam, N.Y.; T. J. Ward; 1 year; \$6,785
COE COLLEGE, Cedar Rapids, Iowa; Frank C. Pennington; 2 years; \$9,660
COLBY COLLEGE, Waterville, Maine; Charles F. Hickox, Jr.; 10 weeks; \$1,200
COLGATE UNIVERSITY, Hamilton, N.Y.; Raymond J. Myers; 1 year; \$8,640
COLORADO COLLEGE, Colorado Springs; Milton K. Snyder; 1 year; \$1,940
COLORADO STATE UNIVERSITY RESEARCH FOUNDATION, Pittsburgh, Pa.; Ralph Baker; 10 weeks; \$3,485
 Franklin A. Graybill; 10 weeks; \$2,280
 M. Leslie Madison; 1 year; \$11,875
COLORADO STATE UNIVERSITY RESEARCH FOUNDATION, Fort Collins; S. M. Morrison; 2 years; \$1,245
 R. V. Smith; 1 year; \$9,060
 Harry E. Troxell; 1 year; \$5,525
UNIVERSITY OF COLORADO, Boulder; Donald G. Burkhard; 1 year; \$15,180
 Frank Kreith; 1 year; \$12,650
 John W. Marr; 10 weeks; \$8,055
COLUMBIA UNIVERSITY, N.Y., N.Y.; Edward F. Leonard; 3 years; \$980
COMMITTEE FOR ADVANCE SCIENCE TRAINING, Los Angeles, Calif.; Harry Sobel; 2 years; \$16,195
UNIVERSITY OF CONNECTICUT, Storrs; Hugh Clark; 2 years; \$11,960
 John T. Stock; 2 years; \$11,180
CORNELL UNIVERSITY, Ithaca, N.Y.; R. F. Holland; 1 year; \$6,935
 G. C. Kent; 10 weeks; \$5,305
 Simpson Linke; 1 year; \$9,200
 M. L. Nichols; 10 weeks; \$10,695
DARTMOUTH COLLEGE, Hanover, N.H.; William W. Ballard; 1 year; \$7,180
 William P. Davis, Jr.; 1 year; \$7,190
DEPAUL UNIVERSITY, Chicago, Ill.; Robert C. Miller; 1 year; \$3,300
DEPAUW UNIVERSITY, Greencastle, Ind.; John L. Warren; 1 year; \$3,925
DREW UNIVERSITY, Madison, N.J.; Louise F. Bush; 2 years; \$13,710
DREXEL INSTITUTE OF TECHNOLOGY, Philadelphia, Pa.; Frank A. Fletcher; 1 year; \$6,120
 Frank A. Fletcher; 1 year; \$1,245
 Robert S. Hanson; 1 year; \$5,700
EARLEHAM COLLEGE, Richmond, Ind.; Ansel M. Gooding; 1 year; \$7,480
 William Stephenson; 2 years; \$22,400
ELMIRA COLLEGE, Elmira, N.Y.; Gertrude Spremulli; 1 year; \$1,420
EMORY UNIVERSITY, Atlanta, Ga.; R. A. Day, Jr.; 2 years; \$19,895
FISK UNIVERSITY, Nashville, Tenn.; Irvin W. Elliott; 1 year; \$5,255
 James R. Lawson; 1 year; \$5,140
FLORIDA STATE UNIVERSITY, Tallahassee; Leland Shanor; 1 year; \$11,615
 Howard E. Taylor; 1 year; \$4,890
FORDHAM UNIVERSITY, N.Y., N.Y.; Clarence C. Schubert; 1 year; \$12,825
FRANKLIN INSTITUTE, BARTOL RESEARCH FOUNDATION, Philadelphia, Pa.; W. E. Danforth; 15 months; \$7,590
FRANKLIN AND MARSHALL COLLEGE, Lancaster, Pa.; John H. Moss; 10 weeks; \$8,465
 Fred H. Suydam; 10 weeks; \$3,550
GEORGE WASHINGTON UNIVERSITY, Washington, D.C.; Russell B. Stevens; 1 year; \$1,935
UNIVERSITY OF GEORGIA, Athens; R. Barclay McGhee; 10 weeks; \$5,790
 Robert A. McRorie; 1 year; \$10,865
 Robert A. McRorie; 1 year; \$1,840
 Louis A. Rayburn; 10 weeks; \$11,385
GONZAGA UNIVERSITY, Spokane, Wash.; Timothy J. O'Leary; 14 months; \$5,290
GRINNELL COLLEGE, Grinnell, Iowa; Grant O. Gale; 10 weeks; \$4,315
 William A. Nevill; 15 months; \$10,695
GUSTAVUS ADOLPHUS COLLEGE, St. Peter, Minn.; H. Bradford Thompson; 2 years; \$3,785
HAMILTON COLLEGE, Clinton, N.Y.; L. E. Cratty, Jr.; 2 years; \$9,200
HARVARD UNIVERSITY, Cambridge, Mass.; A. M. Pappenheimer, Jr.; 10 weeks; \$21,275
HARVEY MUDD COLLEGE, Claremont, Calif.; Roy A. Whiteker; 2 years; \$20,850
Haverford College, Haverford, Pa.; Harmon C. Duzathan; 27 months; \$1,045
UNIVERSITY OF HAWAII, Honolulu; D. Elmo Hardy; 1 year; \$7,305
 John L. T. Waugh; 2 years; \$15,520
HOFSTRA COLLEGE, Hempstead, L.I. N.Y.; Edward E. Schweizer; 13 weeks; \$6,100
COLLEGE OF THE HOLY CROSS, Worcester, Mass.; Vincent O. McBrien; 1 year; \$1,880
UNIVERSITY OF IDAHO, Moscow; Malcolm M. Renfrew; 1 year; \$3,050
 Malcolm M. Renfrew; 1 year; \$2,740
ILLINOIS INSTITUTE OF TECHNOLOGY, Chicago; Peter Chiarulli; 14 months; \$4,830
 Peter Chiarulli; 1 year; \$4,260
 Peter Chiarulli; 1 year; \$15,870
 Peter Chiarulli; 2 years; \$8,420
 Peter Chiarulli; 2 years; \$21,275
 Peter Chiarulli; 10 weeks; \$750
 Peter Chiarulli; 1 year; \$1,440
UNIVERSITY OF ILLINOIS, Urbana; M. T. Davlison; 2 years; \$12,060
 James C. Martin; 2 years; \$17,940
IMMACULATE HEART COLLEGE, Los Angeles, Calif.; Lois Wong Chi; 1 year; \$4,485
 Sister Agnes Ann Green; 10 weeks; \$6,210
INCARNATE WORD COLLEGE, San Antonio, Tex.; Sister Joseph Marie; 1 year; \$8,105
INDIANA UNIVERSITY, Bloomington; H. W. Hofstetter; 9 weeks; \$2,850
 Paul Klinge; 8 weeks; \$3,015

L. S. McClung; 2 years; \$11,975
 Raymond G. Murray; 1 year; \$5,175
 Roger W. Russell; 2 years; \$13,410
 V. J. Shiner, Jr.; 1 year; \$9,260

IOWA STATE UNIVERSITY, Ames; D. R. Boylan; 1 year; \$24,980
 Donald E. Hudson; 1 year; \$20,855
 Donald E. Hudson; 1 year; \$9,535
 Donald E. Hudson; 1 year; \$3,195

JOHN CARROLL UNIVERSITY, Cleveland, Ohio; Richard J. Gaul; 8 weeks; \$4,025

JUNIATA COLLEGE, Huntingdon, Pa.; B. E. Blaisdell; 2 years; \$16,790
 David M. Hercules; 1 year; \$2,335

KANSAS STATE COLLEGE OF PITTSBURG; Joe M. Walker; 16 months; \$5,205

KANSAS STATE UNIVERSITY, Manhattan; A. B. Cardwell; 2 years; \$11,595
 H. C. Fryer; 1 year; \$12,590
 M. F. Hansen; 10 weeks; \$4,345
 Jack L. Lambert; 2 years; \$19,505

UNIVERSITY OF KANSAS, Lawrence; Harold F. Rosson; 8 weeks; \$2,210
 Frederick E. Samson, Jr.; 1 year; \$27,610
 Edward E. Smissman; 1 year; \$8,155

KANSAS WESLEYAN UNIVERSITY, Salina; Charles B. Creager; 1 year; \$2,990

KENTUCKY RESEARCH FOUNDATION, Lexington; O. Merl Baker; 1 year; \$4,085
 David K. Blythe; 1 year; \$1,150
 Jacob R. Meadow; 1 year; \$24,770
 H. A. Romanowitz; 1 year; \$9,775
 G. W. Schneider; 14 months; \$8,280

KENTON COLLEGE, Gambler, Ohio; Daniel T. Finkbeiner, II; 1 year; \$3,105
 Edwin J. Robinson, Jr.; 2 years; \$6,440

KNOX COLLEGE, Galesburg, Ill.; Paul H. Shepard; 1 year; \$2,690

LAFAYETTE COLLEGE, Easton, Pa.; Winfield Keck; 8 weeks; \$4,450
 E. Lee McMillen; 1 year; \$2,590
 Thomas G. Miller; 2 years; \$3,335

LEBANON VALLEY COLLEGE, Annville, Pa.; Karl L. Lockwood; 10 weeks; \$6,975

LEHIGH UNIVERSITY, Bethlehem, Pa.; George R. Jenkins; 1 year; \$7,370

LINFIELD COLLEGE, McMinnville, Ore.; John A. Day; 1 year; \$1,520
 Robert E. Jones; 1 year; \$1,220

LINFIELD RESEARCH FOUNDATION, McMinnville, Ore.; Robert E. Jones; 2 years; \$4,130

LONG ISLAND BIOLOGICAL ASSOCIATION, Cold Spring Harbor, N.Y.; Arthur Chovnik; 2 years; \$24,535

LORAS COLLEGE, Dubuque, Iowa; George N. Schulte; 1 year; \$5,980

LOUISIANA STATE UNIVERSITY, Baton Rouge; C. O. Durham, Jr.; 9 weeks; \$5,680
 George C. Kent, Jr.; 1 year; \$4,890
 Irwin S. Krule; 14 months; \$24,400
 Vincent E. Parker; 9 weeks; \$2,495
 H. B. Williams; 7 months; \$13,435

LOYOLA UNIVERSITY, New Orleans, La.; F. A. Benedetto; 1 year; \$7,385

MANHATTAN COLLEGE, N.Y., N.Y.; Arthur B. Kemper; 1 year; \$3,450
 Donald J. O'Connor; 1 year; \$2,930

MARINE BIOLOGICAL LABORATORY, Woods Hole, Mass.; William Stone, Jr., Boston; 15 months; \$18,200

MARYGROVE COLLEGE, Detroit, Mich.; Sister M. Stanislaus Huddleston; 1 year; \$6,155

UNIVERSITY OF MARYLAND, College Park; Joshua R. C. Brown; 10 weeks; \$4,670
 Howard Laster; 14 months; \$26,910

UNIVERSITY OF MASSACHUSETTS, Amherst; Phillips R. Jones; 1 year; \$1,955

MERCYHURST COLLEGE, Erie, Pa.; Sister M. Fidelis O'Connor; 8 weeks; \$7,140

UNIVERSITY OF MIAMI, Coral Gables, Fla.; Samuel P. Meyers, Miami; 3 months; \$3,745

MICHIGAN COLLEGE OF MINING AND TECHNOLOGY, Houghton; Frank Kerekes; 14 months; \$2,150

MICHIGAN STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE, East Lansing; Erwin J. Benne; 2 years; \$41,045
 Sherwood K. Haynes; 2 years; \$33,225
 Herman L. King; 1 year; \$17,195
 Elmer Leininger; 2 years; \$25,580
 Harold B. Stonehouse; 2 years; \$29,165

UNIVERSITY OF MICHIGAN, Ann Arbor; J. B. Griffin; 2 years; \$13,110
 Kenneth L. Jones; 8 weeks; \$3,645
 Robert C. Taylor; 1 year; \$7,590

MILLSAPS COLLEGE, Jackson, Miss.; Richard R. Priddy; 2 years; \$1,230

UNIVERSITY OF MINNESOTA, Minneapolis; E. R. G. Eckert; 1 year; \$7,535
 Lawrence E. Goodman; 1 year; \$4,315
 James C. Nichol; 1 year; \$10,275
 Wayland E. Noland; 15 months; \$20,395
 Theron O. Odlaug; 1 year; \$1,780
 I. Richard Savage; 7 months; \$12,650

MOUNT HOLYOKE COLLEGE, South Hadley, Mass.; Edwin S. Weaver; 8 weeks; \$5,635

MOUNT ST. MARY'S COLLEGE, Los Angeles, Calif.; Hallie F. Bundy; 1 year; \$2,600

MISSISSIPPI STATE UNIVERSITY, State College; Charles B. Clett; 2 years; \$20,335

UNIVERSITY OF MISSISSIPPI, University; Virgil M. Benson; 1 year; \$3,360

UNIVERSITY OF MISSOURI, Columbia; Ernest W. Carlton, Rolla; 1 year; \$2,090
 Harold Q. Fuller, Rolla; 1 year; \$2,915
 Howard L. Furr, Rolla; 1 year; \$2,320

NATIONAL CHILDREN'S CARDIAC HOSPITAL, Miami, Fla.; Milton S. Saslaw; 9 weeks; \$2,990

UNIVERSITY OF NEBRASKA, Lincoln; Donald G. Hanway; 2 years; \$8,405

NEWARK COLLEGE OF ENGINEERING, N.J.; Harold Moroson; 1 year; \$1,095

NEW JERSEY NEURO-PSYCHIATRIC INSTITUTE, BUREAU OF RESEARCH IN NEUROLOGY AND PSYCHIATRY, Princeton; Dewitt Hendee Smith; 1 year; \$4,830

NEW MEXICO HIGHLANDS UNIVERSITY, Las Vegas; Robert G. Lindeborg; 2 years; \$10,580

NEW MEXICO INSTITUTE OF MINING AND TECHNOLOGY, Socorro; William Hume; 1 year; \$10,280

NEW MEXICO STATE UNIVERSITY, University Park; James E. Weiss; 1 year; \$15,870

UNIVERSITY OF NEW MEXICO, Albuquerque; Richard K. Traeger; 1 year; \$2,925

NEW YORK UNIVERSITY, N.Y., N.Y.; Joseph D. Gettler; 1 year; \$12,190
 Leonard Yarnus; 10 weeks; \$5,475

UNIVERSITY OF NORTH CAROLINA, Chapel Hill; Charles E. Bowerman; 10 weeks; \$12,290
Francis Nash Collier, Jr.; 7 months; \$6,630
Francis Nash Collier, Jr.; 7 months; \$6,630
C. H. Bostian, Raleigh; 2 years; \$15,065
P. H. Harvey, Raleigh; 10 weeks; \$9,895
T. E. Maki, Raleigh; 1 year; \$5,005

UNIVERSITY OF NORTH CAROLINA, Chapel Hill; H. T. Scofield, Raleigh; 1 year; \$2,590
William T. Snyder, Raleigh; 2 years; \$25,645
Alfred J. Stamm, Raleigh; 1 year; \$3,450

NORTH DAKOTA STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE, Fargo; J. A. Callenbach; 1 year; \$16,570
Franz H. Rathmann; 1 year; \$9,920
Donald Schwartz; 1 year; \$4,210

UNIVERSITY OF NORTH DAKOTA, Grand Forks; D. E. Severson; 1 year; \$240

NORTHEASTERN UNIVERSITY, Boston, Mass.; Robert A. Shepard; 1 year; \$4,060
Ralph A. Troupe; 1 year; \$4,405

NORTHERN ILLINOIS UNIVERSITY, DeKalb; C. J. Rohde, Jr.; 10 weeks; \$2,990

NORTH TEXAS STATE COLLEGE, Denton; Robert C. Sherman; 1 year; \$7,400
Robert C. Sherman; 1 year; \$3,850
Robert C. Sherman; 1 year; \$9,500

NORTHWESTERN STATE COLLEGE OF LOUISIANA; Natchitoches; Richard E. Garth; 1 year; \$3,175
Floyd L. Judd; 1 year; \$1,840
James L. Rhoades; 1 year; \$920

NORTHWESTERN UNIVERSITY, Evanston, Ill.; Richard C. Bowers; 1 year; \$15,020
Ray L. Waterson; 1 year; \$11,560

UNIVERSITY OF NOTRE DAME, Notre Dame, Ind.; Julius T. Banchemo; 14 months; \$4,830
Raymond C. Gutschick; 14 months; \$8,305

OBERLIN COLLEGE, Oberlin, Ohio; Norman C. Craig; 15 months; \$9,780

OHIO STATE UNIVERSITY, Columbus; Lloyd M. Parks; 1 year \$8,455

OHIO WESLEYAN UNIVERSITY, Delaware; Thomas S. Oey; 2 years; \$10,050
J. Gordon Ogden, III; 1 year; \$1,945

OKLAHOMA STATE UNIVERSITY, Stillwater; Robert B. Kamm; 1 year; \$2,500

UNIVERSITY OF OKLAHOMA, Norman; Richard A. Goff; 2 years; \$3,400
Alfred J. Weinheimer; 1 year; \$11,485

OREGON STATE COLLEGE, Corvallis; E. C. Gilbert; 3 months; \$7,525
A. T. Lonseth; 10 weeks; \$7,420
Leo A. Schluchetti; 1 year; \$6,880
Roy A. Young; 15 months; \$1,400

UNIVERSITY OF OREGON, Eugene; L. S. Cressman; 1 year; \$9,330
Robert A. Ellis; 1 year; \$6,810
Leroy H. Klemm; 2 years; \$12,540
Andrew F. Moursund; 1 year; \$6,040
E. Novitski; 2 years; \$38,815
J. L. Powell; 2 years; \$15,270
Harry A. Shoemaker; 1 year; \$19,255
J. A. Shotwell; 10 weeks; \$3,855

PENNSYLVANIA STATE UNIVERSITY, University Park; William F. Prokasy, Jr.; 2 years; \$9,660

POLYTECHNIC INSTITUTE OF BROOKLYN, N.Y.; Ernest I. Becker; 10 weeks; \$11,345
John J. Dropkin; 1 year; \$15,065

POMONA COLLEGE, Claremont, Calif.; Alvin L. Bellby; 1 year; \$17,410

UNIVERSITY OF PORTLAND, Oreg.; Ambrose J. Wheeler; 1 year; \$5,985

PRINCETON UNIVERSITY, Princeton, N.J.; John G. Danielson; 18 months; \$14,625

PURDUE UNIVERSITY, Lafayette, Ind.; C. J. Goodnight; 1 year; \$22,355
Dale W. Margerum; 2 years; \$10,925

UNIVERSITY OF REDLANDS, Redlands, Calif.; Robert H. Maybury; 1 year; \$7,855

REED COLLEGE, Portland, Oreg.; J. E. H. Hancock; 1 year; \$10,080

RENSELAER POLYTECHNIC INSTITUTE, Troy, N.Y.; Stephen E. Wiberley; 2 years; \$5,750
Stephen E. Wiberley; 10 weeks; \$3,365
Stephen E. Wiberley; 15 months; \$11,385
Stephen E. Wiberley; 15 months; \$13,570

RESEARCH FOUNDATION OF STATE UNIVERSITY OF NEW YORK, Albany; C. Eugene Farnsworth; 1 year; \$3,695
Edwin C. Jahn, Syracuse; 10 weeks; \$8,855
Ralph T. King, Syracuse; 10 weeks; \$3,315

RESEARCH FOUNDATION, OKLAHOMA STATE UNIVERSITY, Stillwater; Marvin T. Edmison; 1 year; \$13,970

UNIVERSITY OF RHODE ISLAND, Kingston; J. W. Cobble; 10 weeks; \$900
C. Polk; 1 year; \$3,450

UNIVERSITY OF ROCHESTER, N.Y.; S. D. S. Spragg; 1 year; \$4,830
Edwin O. Wilg; 10 weeks; \$5,730

ROCKY MOUNTAIN BIOLOGICAL LABORATORY, Crested Butte, Colo.; R. K. Enders, Swarthmore, Pa.; 2 years; \$22,225

ROSCOE B. JACKSON MEMORIAL LABORATORY, Bar Harbor, Maine; John L. Fuller; 2 years; \$45,270

ROSEMONT COLLEGE, Rosemont, Pa.; Mother Mary Colman Wall; 10 weeks; \$3,250

ROSSELL PARK MEMORIAL INSTITUTE, HEALTH AND RESEARCH, INC., Buffalo, N.Y.; Edwin A. Mirand; 12 weeks; \$23,405

RUTGERS, THE STATE UNIVERSITY, New Brunswick, N.J.; Donald G. Forgays; 1 year; \$2,465
James B. Durand, Camden; 15 months; \$2,185

ST. FRANCIS COLLEGE, Brooklyn, N.Y.; John M. Burke; 1 year; \$2,510

ST. JOSEPH COLLEGE, Emmitsburg, Md.; Sister Denise Eby; 1 year; \$3,030

ST. JOSEPH'S COLLEGE FOR WOMEN, Brooklyn, N.Y.; Sister Saint Francis; 14 months; \$8,670

ST. LOUIS UNIVERSITY, Mo.; Paul E. Peterson; 8 weeks; \$3,335
Arthur G. Rouse; 1 year; \$1,875

ST. OLAF COLLEGE, Northfield, Minn.; Fritjof E. Christensen; 1 year; \$17,220

ST. PROCOPIUS COLLEGE, Lisle, Ill.; Norman A. Frigerio; 1 year; \$5,775

SAN DIEGO STATE COLLEGE FOUNDATION, Calif.; R. Gordon Gastil; 1 year; \$14,345
 Burt Nelson; 1 year; \$4,645
 Power B. Sogo; 1 year; \$2,760
 Harold Walba; 1 year; \$16,220

UNIVERSITY OF SAN FRANCISCO, Calif.; William Maroney; 1 year; \$4,250

SAN JOSE STATE COLLEGE CORP., Calif.; Lloyd Van Alten; 1 year; \$10,480

UNIVERSITY OF SANTA CLARA, Calif.; John B. Drahmann; 12 weeks; \$2,920
 Abraham P. Hillman; 1 year; \$8,100
 Stanislaw Kownacki; 10 weeks; \$2,760

UNIVERSITY OF SCRANTON, Scranton, Pa.; Martin D. Appleton; 10 weeks; \$5,865

SEATTLE UNIVERSITY, Wash.; Harry Majors, Jr.; 1 year; \$2,300
 Francis P. Wood; 1 year; \$2,845

SMITH COLLEGE, Northampton, Mass.; Milton D. Soffer; 2 years; \$4,890

UNIVERSITY OF SOUTH CAROLINA, Columbia; E. Fontelle Thompson, Jr.; 9 weeks; \$4,925
 E. C. Woodward, Jr.; 1 year; \$2,665

SOUTH DAKOTA STATE COLLEGE, Brookings; Dennis L. Moe; 1 year; \$3,070

SOUTH DAKOTA SCHOOL OF MINES AND TECHNOLOGY, Rapid City; Edward L. Tullis; 1 year; \$585

SOUTHEAST MISSOURI STATE COLLEGE, Cape Girardeau; G. E. Brown; 14 months; \$19,700

SOUTHERN ILLINOIS UNIVERSITY, Carbondale; I. L. Shechmeister; 2 years; \$18,540
 Walter B. Welch; 1 year; \$2,830

SPRING HILL COLLEGE, Spring Hill, Ala.; Walter J. Rhein; 8 weeks; \$3,695

STANFORD UNIVERSITY, Stanford, Calif.; Eric Hutchinson; 10 weeks; \$6,185
 David M. Mason; 2 years; \$23,798
 O. Cutler Shepard; 7 months; \$27,210
 O. Cutler Shepard; 1 year; \$4,715

STATE UNIVERSITY OF IOWA, Iowa City; Don Lewis; 1 year; \$3,625
 Ralph L. Shriner; 2 years; \$9,545

STEVENS INSTITUTE OF TECHNOLOGY, Hoboken, N.J.; S. S. Stivala; 14 months; \$27,780

SWARTHMORE COLLEGE, Swarthmore, Pa.; Norman A. Meinkoth; 8 weeks; \$8,165
 Peter T. Thompson; 10 weeks; \$7,190

SYRACUSE UNIVERSITY, N.Y.; Hiram J. Evans; 2 years; \$14,885
 James A. Luker; 10 weeks; \$6,875
 Wallace R. McAllister; 1 year; \$7,810
 Henry E. Wirth; 1 year; \$13,310

TENNESSEE AGRICULTURAL AND INDUSTRIAL STATE UNIVERSITY, Nashville; Carl M. Hill; 1 year; \$1,000

UNIVERSITY OF TENNESSEE, Knoxville; Arthur W. Jones; 1 year; \$4,395

AGRICULTURAL AND MECHANICAL COLLEGE OF TEXAS, College Station; Richard M. Adams; 7 months; \$13,170
 Richard J. Baldauf; 7 months; \$5,550
 A. I. Flowers; 15 months; \$6,900
 A. F. Isbell; 12 weeks; \$2,270

TEXAS CHRISTIAN UNIVERSITY, Fort Worth; William H. Watson; 1 year; \$5,300

UNIVERSITY OF TEXAS, Austin; R. N. Little; 9 weeks; \$7,570

TEXAS WOMAN'S UNIVERSITY, Denton; William L. Mecay; 21 months; \$6,790

TULANE UNIVERSITY, New Orleans, La.; Hans B. Jonassen; 17 months; \$7,935

URSULINE COLLEGE, Louisville, Ky.; Sister M. Angelice Seibert; 1 year; \$2,410

UNIVERSITY OF UTAH, Salt Lake City; M. Duane Bown; 1 year; \$6,470
 Ivan B. Cutler; 10 weeks; \$8,970
 Robert E. Stephenson; 1 year; \$1,230
 J. M. Sugihara; 2 years; \$17,855
 Angus M. Woodbury; 1 year; \$4,865

UTAH STATE UNIVERSITY, Logan; R. L. Berger; 10 weeks; \$5,380

VALPARAISO UNIVERSITY, Valparaiso, Ind.; Robert J. Hanson; 14 months; \$5,130

VANDERBILT UNIVERSITY, Nashville, Tenn.; Stanford C. Ericksen; 2 years; \$10,580

VILLANOVA UNIVERSITY, Villanova, Pa.; Robert E. White; 1 year; \$4,140

VIRGINIA FISHERIES LABORATORY, Gloucester Point; Robert S. Bailey; 15 months; \$16,175

VIRGINIA POLYTECHNIC INSTITUTE, Blacksburg; Robert C. Krug; 10 weeks; \$3,220

VIRGINIA STATE COLLEGE, Petersburg; Lewis A. Gist, Jr.; 14 months; \$18,840

WASHINGTON STATE UNIVERSITY, Pullman; Seth Barton Locke; 1 year; \$575
 Richard A. Parker; 1 year; \$5,120

WAYNE STATE UNIVERSITY, Detroit, Mich.; Henry V. Bohm; 1 year; \$12,175

WESLEYAN UNIVERSITY, Middletown, Conn.; G. Philip Johnson; 7 months; \$9,600

WESTERN MICHIGAN UNIVERSITY, Kalamazoo; Lillian H. Meyer; 10 weeks; \$6,460
 Paul Rood; 1 year; \$2,910

WESTERN RESERVE UNIVERSITY, Cleveland, Ohio; Jan H. Bruell; 2 years; \$17,085
 Richard F. Firestone; 2 years; \$14,320
 Gerald Tauber; 2 years; \$11,700

WHEATON COLLEGE, Norton, Mass.; Bojan Hamlin Jennings; 10 weeks; \$1,840

WILKES COLLEGE, Wilkes-Barre, Pa.; Sheldon G. Cohen; 14 months; \$3,000
 Francis J. Michelini; 1 year; \$2,795

WILLIAM MARSH RICE UNIVERSITY, Houston, Tex.; Allen C. Enders; 2 years; \$11,960

UNIVERSITY OF WISCONSIN, Madison; R. H. Dott, Jr.; 10 weeks; \$2,265
 Calvin O. Huber; 1 year; \$470

WITTENBERG UNIVERSITY, Springfield, Ohio; Paul K. Glasoe; 1 year; \$3,790

WORCESTER POLYTECHNIC INSTITUTE, Worcester, Mass.; Wilmer L. Kranich; 10 weeks; \$3,970
 Allan E. Parker; 10 weeks; \$8,395

XAVIER UNIVERSITY, Cincinnati, Ohio; Harvey A. Dube; 1 year; \$5,110
 Joseph J. Peters; 1 year; \$460

YALE UNIVERSITY, New Haven, Conn.; E. J. Boell; 1 year; \$11,215
 John P. Chesick; 1 year; \$12,535
 Ralph Norman Haber; 2 years; \$15,295
 Ralph Norman Haber; 2 years; \$11,730
 Harlan J. Smith; 27 months; \$5,765

YESHIVA UNIVERSITY, New York, N.Y.; Phyllis H. Cahn; 10 weeks; \$1,205
 Harry E. Rauch; 1 year; \$4,085

ADVANCED SUBJECT-MATTER INSTITUTES

AGRICULTURAL AND MECHANICAL COLLEGE OF TEXAS, College Station; B. C. Moore; 6 months; \$29,210

UNIVERSITY OF ARIZONA, Tucson; Gerard P. Kuiper; 6 months; \$41,300

BRANDEIS UNIVERSITY, Waltham, Mass.; Kenneth W. Ford; 7 months; \$33,980
Kenneth W. Ford; 4 months; \$2,500

UNIVERSITY OF CALIFORNIA, Berkeley; Charles H. Sawyer, Los Angeles; 6 months; \$9,890

CANISIUS COLLEGE, Buffalo, N.Y.; Herman A. Szymanski; 6 months; \$5,400

CARNEGIE INSTITUTE OF TECHNOLOGY, Pittsburgh, Pa.; Alan J. Perlis; 6 months; \$48,180

COLORADO STATE UNIVERSITY RESEARCH FOUNDATION, Fort Collins; Glenwood P. Epling; 3 days; \$7,335

UNIVERSITY OF COLORADO, Boulder; W. E. Brittin; 10 weeks; \$53,710

FISK UNIVERSITY, Nashville, Tenn.; Nelson Fuson; 6 months; \$7,430

FLORIDA STATE UNIVERSITY, Tallahassee; Donn S. Goraline; 10 months; \$34,930

UNIVERSITY OF FLORIDA, Gainesville; Per-Olof Lowdin; 9 months; \$53,150

HARVARD UNIVERSITY, Cambridge, Mass.; William Liller; 8 months; \$16,925

UNIVERSITY OF GEORGIA, Athens; M. K. Fort, Jr.; 6 months; \$35,225

UNIVERSITY OF HAWAII, Honolulu; Maxwell S. Doty; 8 months; \$11,560

MASSACHUSETTS INSTITUTE OF TECHNOLOGY, Cambridge; Robert W. Mann; 6 months; \$33,270

UNIVERSITY OF MICHIGAN, Ann Arbor; Alan A. Marra; 6 months; \$12,330

UNIVERSITY OF NORTH CAROLINA, Chapel Hill; John W. Carr, III; 6 months; \$57,930

OKLAHOMA STATE UNIVERSITY, Stillwater; L. Wayne Johnson; 6 months; \$35,400

UNIVERSITY OF OKLAHOMA, Norman; William Vlavant; 6 months; \$32,700

UNIVERSITY OF PENNSYLVANIA, Philadelphia; Hsuan Yeh; 6 days; \$7,200

UNIVERSITY OF PITTSBURGH, Pa.; Adolph Grunbaum; 1 year; \$3,530

UNIVERSITY OF SOUTHERN CALIFORNIA, Los Angeles; Jay M. Savage; 6 weeks; \$1,800

UNIVERSITY OF TEXAS, Austin; Howard T. Odum, Port Aransas; 6 months; \$7,300

UNIVERSITY OF UTAH, Salt Lake City; C. E. Burgess; 6 months; \$35,500

VIRGINIA POLYTECHNIC INSTITUTE, Blacksburg; D. H. Pletta; 8 months; \$49,250

UNIVERSITY OF WISCONSIN, Madison; R. Byron Bird; 3 weeks; \$48,250

WOODS HOLE OCEANOGRAPHIC INSTITUTION, Woods Hole, Mass.; George Veronis; 7 months; \$21,200

PUBLIC UNDERSTANDING OF SCIENCE

AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, Washington, D.C.; Dael Wolfe; *Program of Science Lectures*; 1 day; \$3,900

AMERICAN MUSEUM OF NATURAL HISTORY, New York, N.Y.; C. Bruce Hunter; *Lecture Series in the Sciences*; 1 year; \$9,630

ASPEN INSTITUTE FOR HUMANISTIC STUDIES, Aspen, Colo.; Robert W. Craig; *Public Understanding the Role of Science in Society*; 1 year; \$44,460

BOARD OF REGENTS OF STATE COLLEGES, Madison, Wis.; Harry F. Bangsberg; *Science Seminar for Newspaper Editors*; 6 months; \$3,560

COLORADO STATE UNIVERSITY RESEARCH FOUNDATION, Fort Collins; Herman M. Welsman; *Science News Writing Seminar for Rocky Mountain-Plains States*; 6 months; \$12,980

COLUMBIA UNIVERSITY, New York, N.Y.; John Foster; *Conference of Scientists and Mass Media Executives*; 1 year; \$6,960

CONFERENCE BOARD OF THE MATHEMATICAL SCIENCES, Washington, D.C.; G. Baley Price; *Project for Planning Public Information Services in Mathematics*; 6 months; \$10,000

MICHIGAN STATE UNIVERSITY, East Lansing; James Stokely; *Seminar for Science Writers*; 1 week; \$10,700

NATIONAL EDUCATIONAL TELEVISION AND RADIO CENTER, New York, N.Y.; Robert B. Hudson; *The Citizen and the New Age of Science*; 1 year; \$179,620

NORTHWESTERN UNIVERSITY, Evanston, Ill.; Shirley M. Linde; *Midwestern Science Public Information Seminar*; 6 months; \$19,000

UNIVERSITY OF NORTH CAROLINA, Chapel Hill; Norval Nell Luxon; *Science Writers Institute*; 1 year; \$24,650

SUPPLEMENTARY TRAINING FOR TEACHERS

AMERICAN SOCIETY OF ZOOLOGISTS, Urbana, Ill.; C. Ladd Prosser; *Recent Advances in Comparative Neurophysiology*; 7 months; \$4,600

BOSTON COLLEGE, Chestnut Hill, Mass.; S. J. Bezuska; *Summer Institute in Mathematics*; 6 months; \$2,900

S. J. Bezuska; *Cooperative Unit Study Program in Mathematics*; 16 months; \$20,500

UNIVERSITY OF COLORADO, Boulder; James R. Wailes; *Summer Institute for Science Supervisors*; 6 months; \$13,380

COLUMBIA UNIVERSITY, New York, N.Y.; Polykarp Kusch; *Summer Conference on Scientific Frontiers and Their Interaction With Society*; 6 weeks; \$56,275

DUKE UNIVERSITY, Durham, N.C.; J. J. Ger-gen; *Experimental Program in the Retraining of Armed Service Officers for Teaching Mathematics*; 30 months; \$22,400

EDUCATIONAL SERVICES, INC., Watertown, Mass.; Jerrold R. Zacharias; *One-week Training Conference for the Instructional Staffs of Institutes Dealing With the Physics Course Prepared by the Physical Science Study Committee*; 6 months; \$27,515

EMORY UNIVERSITY, Atlanta, Ga.; Charles T. Lester; *Program Involving a Television Course on Science for Elementary School Teachers*; 1 year; \$36,380

KANSAS STATE TEACHERS COLLEGE, Emporia; Otto M. Smith; *One-Day Conference of*

Principal, Supervisors, and School Board Members; 5 months; \$500

MIAMI UNIVERSITY, Oxford, Ohio; L. Warren Nelson; *Workshops for Improving the Elementary Teacher's Abilities in Selection and Use of Science Equipment*; 15 months; \$12,595

MICHIGAN COLLEGE OF MINING AND TECHNOLOGY, Houghton; Eric A. Bourdo, Jr., L'Anse; *Chemical and Biological Laboratory Training for High School and College Teachers*; 8 weeks; \$2,820

M. E. Vollin; *Laboratory Training Program for Teachers*; 7 months; \$6,860

UNIVERSITY OF NORTH DAKOTA, Grand Forks; J. Donald Henderson; *Supplementary Training for Teachers*; 2 days; \$500

UNIVERSITY OF OKLAHOMA, Norman; Richard V. Andree; *In-Service Institute for College Teachers of Mathematics, Science, and Engineering*; 17 months; \$29,900

Horace Hoffman; *Conference for Advanced Course Planning for Twelfth Grade Science*; 8 weeks; \$25,900

UNIVERSITY OF SOUTH FLORIDA, Tampa; T. C. Helvey; *Conference for High School Physics Teachers in Aero-Space Sciences*; 2 weeks; \$6,910

STANFORD UNIVERSITY, Stanford, Calif.; Lawrence R. Blinks; *Institute in Marine Biology*; 10 weeks; \$20,725

UNIVERSITY OF TEXAS, Austin; Harold J. Plass, Jr.; *Development of Teachers of Engineering Mechanics*; 18 months; \$31,670

WHEELING COLLEGE, Wheeling, W.Va.; Joseph A. Duke; *Science Teacher Workshop Series*; 30 months; \$5,750

UNIVERSITY OF WISCONSIN, Madison; R. D. Wagner; *In-Service Program of Studies of Basic Concepts of Mathematics by Directed Group and Individual Study Using Correspondence Study Materials*; 1 year; \$9,410

VISITING FOREIGN SCIENTISTS PROGRAM

AMERICAN INSTITUTE OF PHYSICS, New York, N.Y.; Elmer Hutchisson; 30 months; \$50,550

AMERICAN CHEMICAL SOCIETY, Washington, D.C.; Donald J. Cook, DePauw University; 30 months; \$56,800

AMERICAN MATHEMATICAL SOCIETY, Providence, R.I.; Gordon L. Walker; 30 months; \$50,000

AMERICAN PSYCHOLOGICAL ASSOCIATION, Washington, D.C.; Sherman Ross; 30 months; \$36,360

Sherman Ross; 1 year; \$19,800

ENGINEERS JOINT COUNCIL, New York, N.Y.; L. K. Wheelock; 30 months; \$60,000

VISITING SCIENTISTS TO COLLEGES PROGRAM

AMERICAN ANTHROPOLOGICAL ASSOCIATION, Washington, D.C.; Leslie A. White; 16 months; \$20,855

AMERICAN ASTRONOMICAL SOCIETY, Princeton, N.J.; Franklyn M. Branley; 18 months; \$23,675

AMERICAN CHEMICAL SOCIETY, Washington, D.C.; Donald J. Cook, DePauw University; 31 months; \$82,000

AMERICAN GEOPHYSICAL UNION, Washington, D.C.; Norris Rakestraw, University of California, La Jolla; 18 months; \$11,700

AMERICAN INSTITUTE OF PHYSICS, New York, N.Y.; Elmer Hutchisson; 17 months; \$25,715

AMERICAN METEOROLOGICAL SOCIETY, Boston, Mass.; Kenneth C. Spengler; 18 months; \$33,350

AMERICAN PSYCHOLOGICAL ASSOCIATION, Washington, D.C.; Sherman Ross; 34 months; \$46,260

AMERICAN SOCIETY FOR ENGINEERING EDUCATION, Urbana, Ill.; W. Leighton Collins; 17 months; \$24,700

W. Leighton Collins; 6 months; \$8,875

MATHEMATICAL ASSOCIATION OF AMERICA, Inc., Buffalo, N.Y.; Robert A. Rosenbaum; 19 months; \$25,000

Robert A. Rosenbaum; 1 year; \$25,000

NATIONAL ACADEMY OF SCIENCES-NATIONAL RESEARCH COUNCIL, Washington, D.C.; Robert C. Stephenson; 18 months; \$28,990

SOCIETY OF AMERICAN FORESTERS, Washington, D.C.; Henry Clepper; 31 months; \$30,150

SOCIETY FOR INDUSTRIAL AND APPLIED MATHEMATICS, Philadelphia, Pa.; John K. Sterrett; 33 months; \$32,280

VISITING SCIENTISTS TO HIGH SCHOOLS PROGRAM

AMERICAN CHEMICAL SOCIETY, Washington, D.C.; Donald J. Cook, DePauw University; 18 months; \$24,300

AMERICAN INSTITUTE OF PHYSICS, New York, N.Y.; Elmer Hutchisson; 32 months; \$56,780

SCIENTIFIC MANPOWER STUDIES

AMERICAN INSTITUTE OF PHYSICS, New York, N.Y.; Elmer Hutchisson; *Analysis of Educational and Manpower Data in Physics*; 2 years; \$51,740

AMERICAN UNIVERSITY, Washington, D.C.; Ernest S. Griffith; *Current Role of the Sino-Soviet Bloc Countries in the Development of the Scientific and Engineering Manpower Resources of Other Countries*; 1 year; \$14,000

HARVARD UNIVERSITY, Cambridge, Mass.; Charles G. McArthur; *An Industrial Cross-Validation of Early Childhood Characteristics That Distinguish Scientists from Non-scientists*; 1 year; \$17,250

UNIVERSITY OF MARYLAND, College Park; Norton T. Dodge; *Evaluation of Utilization of Women as a Manpower Resource in the Soviet Union*; 15 months; \$19,320

NATIONAL ACADEMY OF SCIENCES-NATIONAL RESEARCH COUNCIL, Washington, D.C.; M. H. Trytten; *Continuation of Revision on Soviet Professional Manpower*; 6 months; \$19,345

NATIONAL MERIT SCHOLARSHIP CORP., Evanston, Ill.; Clifford G. McCollum; *Research Program in High Level Talent at the Secondary School Level*; 5 years; \$125,000

NATIONAL OPINION RESEARCH CENTER, Chicago, Ill.; Peter H. Rossi; *Development of a Study Plan for Post-Enumeration Census Studies*; 2 years; \$16,634

SETON HALL UNIVERSITY, South Orange, N.J.; John B. Tsu; *Employment and Utilization of Communist China's Scientists and Engineers, 1950-60*; 18 months; \$31,600

U.S. DEPARTMENT OF COMMERCE, BUREAU OF THE CENSUS, Washington, D.C.; Richard M. Scammon; *Planning and Testing for Proposed Post Enumeration Census Studies*; 6 months; \$12,000

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE, OFFICE OF EDUCATION, Washington, D.C.; Lawrence G. Derthick; *Study of Graduating Classes of American Undergraduate Colleges*; 14 months; \$31,250

Clayton D. Hutchins; *1960-61 Survey of Federal Funds for Science Education*; 1 year; \$35,875

John G. Lorenz; *Characteristics of Non-Public Secondary Schools*; 1 year; \$7,500

Virgil Walker; *Sources of Financial Support of Graduate Students*; 6 months; \$1,500

U.S. DEPARTMENT OF LABOR, Washington, D.C.; Ewan Clague; *Planning Phase of the 1961 Survey of Scientific and Technical Personnel in Industry*; 6 months; \$29,500

Ewan Clague; *1961 Survey of Scientific and Technical Employment in Industry*; 1 year; \$107,000

Ewan Clague; *Development of Long-Range Estimates of Demand for Scientific and Technical Personnel*; 1 year; \$49,700

UNIVERSITY OF UTAH, Salt Lake City; Calvin W. Taylor; *To Organize and Extend the Work of the Utah Conferences on the Identification of Creative Scientific Talent*; 2 years; \$11,990

Calvin W. Taylor; *Identifying High School Students with Characteristics Needed in Research Work*; 20 months; \$17,325

COURSE CONTENT STUDIES AND DEVELOPMENT

AMERICAN INSTITUTE OF PHYSICS; New York, N.Y.; Elmer Hutchisson; *Source Material on the Recent History of Physics in the United States*; 2 years; \$69,600

AMERICAN PHYSIOLOGICAL SOCIETY; Washington, D.C.; Arthur W. Martin; *Preparation of Laboratory Experiments in Elementary Human Physiology*; 1 year; \$4,070

AMERICAN SOCIETY FOR ENGINEERING EDUCATION; Urbana, Ill.; Bonham Campbell, University of California; *Evaluation Study of Technical Institute Education*; 1 year; \$47,250

UNIVERSITY OF ARIZONA, Tucson; Granino A. Korn; *Development of a Laboratory Course Employing Simple Computer Techniques to Teach Statistical Methods and Random Process Theory*; 18 months; \$18,660

BYRN MAWR COLLEGE, Bryn Mawr, Pa.; Walter C. Michels; *Commission on College Physics*; 2 years; \$180,400

UNIVERSITY OF CALIFORNIA, Berkeley; J. Arthur Campbell; *Chemical Education Materials Study*; 25 months; \$715,800

CENTER FOR RESEARCH IN ENGINEERING SCIENCE OF THE UNIVERSITY OF KANSAS, Lawrence; John S. McNowen; *Conference for a Comprehensive Study of Engineering Education*; 1 year; \$25,000

UNIVERSITY OF COLORADO, Boulder; Harold Liebowitz; *Structural Mechanics Summer Study Group*; 1 year; \$54,850

UNIVERSITY OF DENVER, Colo.; Byron Cohen; *Three Conferences on the Undergraduate Curriculum in Physics*; 6 months; \$54,065

UNIVERSITY OF DETROIT, Mich.; Paul M. Reinhard; *Content Development in Graphics for Scientific Engineering Curricula*; 2 years; \$68,080

EARLEHAM COLLEGE, Richmond, Ind.; Laurence E. Strong; *The Chemical Bond Approach Project*; 1 year; \$399,050

EDUCATIONAL SERVICES INC., Watertown, Mass.; Jerrold R. Zacharias; *Adaptation of the Physical Science Study Committee Physics Course for Use in Colleges and Junior Colleges*; 1 year; \$214,700

Jerrold R., Zacharias; *Adaptation of a Number of Existing Physical Science Study Committee Films for Experimental Use in Colleges*; 9 months; \$19,200

HARVARD UNIVERSITY, Cambridge, Mass.; George Wald; *A New Introductory College Course in Biology*; 3 years; \$104,020

HOLLINS COLLEGE, Hollins College, Va.; Beatrice E. Gushee; *Development of a New Approach to the Teaching of Analytical Chemistry*; 13 months; \$2,410

MASSACHUSETTS INSTITUTE OF TECHNOLOGY, Cambridge; Francis L. Friedman; *Science Teaching Center: College Physics*; 1 year; \$198,000

MONTANA STATE COLLEGE, Bozeman; William B. Cook; *Publication of a Report of a Conference on a College Chemistry Course for Non-Science Majors*; 1 year; \$1,050

NATIONAL ACADEMY OF SCIENCES-NATIONAL RESEARCH COUNCIL, Washington, D.C.; Robert C. Stephenson; *Teaching Resources Development Program in Geology*; 1 year; \$5,000

Robert C. Stephenson; *Course Content and Curriculum Study in the Geological Sciences*; 2 years; \$126,950

NEW YORK UNIVERSITY, New York, N.Y.; Fred Landis; *Development of Laboratory Experiments in Heat Transfer and Fluid Mechanics*; 1 year; \$12,250

UNIVERSITY OF PENNSYLVANIA, Philadelphia; John G. Brainerd; *Workshop on Systems Engineering in Electrical Engineering Education*; 1 week; \$30,400

RENSELAER POLYTECHNIC INSTITUTE, Troy, N.Y.; Harry F. Melners and Robert Resnick; *A Reference Source for Demonstration Experiments in Physics*; 2 years; \$102,800

STANFORD UNIVERSITY, Stanford, Calif.; E. G. Begle; *The School Mathematics Study Group*; 1 year; \$80,500

Newton Hawley; *Experimental Teaching of Mathematics in the Elementary School*; 1 year; \$29,900

Patrick Suppes; *Experimental Teaching of Mathematics in the Elementary School*; 2 years; \$126,500

UNIVERSITY OF TEXAS, Austin; E. Mott Davis; *Course Content Improvement Project in the Field of Archeology*; 2 years; \$90,700

U.S. DEPARTMENT OF AGRICULTURE, GRADUATE SCHOOL, Washington, D.C.; John B. Holden; *Recording on Film and Video Tape a Series of Five Lectures Entitled, Promise of the Life Sciences*; 6 months; \$15,500

WASHINGTON UNIVERSITY, St. Louis, Mo.; John M. Fowler and Edward D. Lambe; *Development of Lecture Demonstration Material and Laboratory Exercises for Introductory College Physics*; 1 year; \$20,050

UNIVERSITY OF WICHITA, Wichita, Kans.; Robert T. Howard; *Development of a Course in the Science of Engineering Materials*; 18 months; \$16,950

UNIVERSITY OF WISCONSIN, Madison; Edward F. Obert; *Development of Generalized Engineering Laboratory Equipment and Instruction Procedures*; 14 months; \$37,030

YALE UNIVERSITY, New Haven, Conn.; E. G. Begle; *Preparation of an Experimental Curriculum in Elementary Mathematics*; 1 year; \$42,820

C. E. Rickart; *School Mathematics Study Group*; 8 years; \$150,000

SUPPLEMENTARY TEACHING AIDS

AMERICAN PSYCHOLOGICAL ASSOCIATION, Washington, D.C.; John G. Darley; *Film Series in Psychology*; 9 months; \$148,240

UNIVERSITY OF ARIZONA, Tucson; Nell R. Bartlett; *Design and Development of an Inexpensive Device for Classroom Demonstrations and for Student Laboratory Measurements of Audition*; 6 months; \$2,590

John W. Harshbarger; *Development of Hydraulic Models, Analogous to Subsurface Geologic Conditions*; 2 years; \$21,190

E. K. Parks and R. E. Petersen; *Development of a Versatile Apparatus for the Demonstration and Investigation of Non-Stationary Compressible Flows*; 2 years; \$19,050

BIO-RESEARCH INSTITUTE, INC., Cambridge, Mass.; Freddy Homburger; *Development of Teaching Aids in Biology*; 1 year; \$22,890

BOSTON COLLEGE, Chestnut Hill, Mass.; Stanley J. Bemuszka; *Development of Formal Deductive and Symbolic Logic Training and Teaching Equipment*; 16 months; \$17,700

BOSTON UNIVERSITY, Massachusetts; George P. Fulton; *Development of Inexpensive Modern Laboratory Equipment for the Biological Sciences*; 1 year; \$8,500

BROWN UNIVERSITY, Providence, R.I.; Lorin A. Riggs; *Development of a Projection Color Mixer*; 1 year; \$890

BUCKNELL UNIVERSITY, Lewisburg, Pa.; Douglas K. Candland; *Development of Equipment for Classroom Demonstration and Student Research in Experimental Psychology*; 1 year; \$4,400

UNIVERSITY OF CALIFORNIA, Berkeley; Samuel A. Barrett; *Documentary Sound Color Films and Sound Recordings of Indian Culture in Western North America*; 1 year; \$122,380

Donald M. Reynolds, Davis; *Production of Short Motion Picture Films for University Level Instruction in Microbiology*; 4 months; \$4,150

Norman N. Goldstein, Jr., San Anselmo; *Instruments for Study of Physiological Phenomena in Secondary School Biology*; 1 year; \$25,550

CARNEGIE INSTITUTE OF TECHNOLOGY, Pittsburgh, Pa.; Milton C. Shaw; *Development of Analog Apparatus and Experiments for*

Studying the Plastic Flow Characteristics of Materials; 1 year; \$14,950

CARSON-NEWMAN COLLEGE, Jefferson City, Tenn.; Will J. Cloyd and Joe A. Chapman; *Development of Transistorized Circuits for the Integration of Solar Radiation, Temperature, and Humidity*; 1 year; \$3,650

COLORADO STATE UNIVERSITY RESEARCH FOUNDATION, Fort Collins; R. D. Frandson; *Cinephotographic Techniques for Visualizing Anatomical Structures in Depth Using the Central Nervous System*; 1 year; \$12,190

COLUMBIA UNIVERSITY, New York, N.Y.; Robert A. Gross; *Development of Energy Conversion Devices for Instruction in Mechanical Engineering*; 1 year; \$29,100

DARTMOUTH COLLEGE, Hanover, N.H.; John W. Dewdney; *Development of an Apparatus for Measuring the Relativistic Mass of Electrons*; 2 years; \$17,450

UNIVERSITY OF DAYTON, Ohio; Raymond J. Stith; *Development of Inexpensive, Transparent, Flexible Models Having Internal Lines, Grids, or Planes for the Observation and Demonstration of Internal Deformation Patterns*; 20 months; \$7,040

UNIVERSITY OF DENVER, Colorado; Fred E. D'Amour; *Development of Graphic Demonstrations in the Teaching of Physiology*; 1 year; \$4,680

GETTYSBURG COLLEGE, Gettysburg, Pa.; J. Richard Haskins; *Development of a Moosbauer Effect Apparatus for an Advanced Undergraduate Physics Laboratory*; 1 year; \$4,750

HARVARD UNIVERSITY, Cambridge, Mass.; David D. Donaldson, Boston; *Development of Equipment for Producing Stereograms*; 2 years; \$20,990

UNIVERSITY OF ILLINOIS, Urbana; E. H. Gaylord; *Development of Demonstration Equipment for Structural Engineering*; 1 year; \$27,140

ILLINOIS INSTITUTE OF TECHNOLOGY, Chicago; Bernet S. Swanson; *Development of Equipment and Manual for Laboratory Instruction in Automatic Process Control*; 15 months; \$12,420

IOWA STATE UNIVERSITY, Ames; Wallace L. Cassell; *Development of a Small Magnetized Memory Oscilloscope*; 1 year; \$5,630

KANSAS STATE UNIVERSITY, Manhattan; Alpha E. Knapp; *Development of Laboratory Equipment for Obtaining the Contours of a Fluid Membrane*; 1 year; \$13,010

LEARNING RESOURCES INSTITUTE, New York, N.Y.; Thomas P. Robinson; *Preparation of a College-Level Television-Film Course in Modern Biology*; 1 year; \$218,800

MARQUETTE UNIVERSITY, Milwaukee, Wis.; All Selreg; *Development of a Universal Tester for Demonstrations and Measurements of Shock and Vibration Phenomena*; 1 year; \$12,480

MASSACHUSETTS INSTITUTE OF TECHNOLOGY, Cambridge; Nathan H. Cook; *Development of Multi-Functional Machines for the Teaching of Materials Processing*; 18 months; \$28,000

Robert J. Hansen; *Development of Modeling Techniques for Teaching of Structural Design*; 21 months; \$27,020.

Erik Mollo-Christensen; *Development of Lecture Demonstration Equipment in Which a View of the Apparatus and Measuring Equipment is Projected on a Screen for Use in Courses of Aero-Dynamics, Thermodynamics, Elasticity, and Mechanics*; 2 years; \$13,920

J. Lowen Shearer; *Design and Development of Apparatus for Experiments and Demonstrations in Dynamic Systems, Automatic Control, and Materials Courses in Mechanical Engineering*; 1 year; \$29,160

MATHEMATICAL ASSOCIATION OF AMERICA, Buffalo, N.Y.; Harry M. Gehman; *Production of Films for Improving Collegiate Mathematics*; 1 year; \$15,000

UNIVERSITY OF MICHIGAN, Ann Arbor; David L. Jones; *Development of Laboratory and Demonstration Equipment in Meteorological Instruction*; 1 year; \$14,700

Joseph N. Payne; *Development and Testing of Individual Manipulative Materials for Use in Teaching Arithmetic*; 1 year; \$22,710

MICHIGAN STATE UNIVERSITY, East Lansing; H. E. Koenig; *Development of Prototype Systems Laboratory Apparatus*; 1 year; \$23,670

MIDWEST RESEARCH INSTITUTE, Kansas City, Mo.; Thomas I. Marx; *Development of a Student's Warburg Apparatus*; 8 months; \$1,750

UNIVERSITY OF MINNESOTA, Minneapolis; John M. Lagerwerff; *Development of a Direct-Reading Portable Cardiotachometer for Educational and Clinical Use*; 4 months; \$6,370

UNIVERSITY OF MISSOURI, Columbia; Robert F. G. Spier; *Preparation and Presentation of Graphic Aids in Teaching Basic Anthropometry*; 9 months; \$8,430

UNIVERSITY OF NEW MEXICO, Albuquerque; Richard K. Moore; *Development of Kit-Style Digital Computers for Construction and Use by High School Students*; 1 year; \$20,650

UNIVERSITY OF NORTH CAROLINA, Chapel Hill; Charles N. Reilley; *Development of Apparatus for Teaching Advanced Electronic Instrumentation in Quantitative Chemistry*; 1 year; \$13,800

George B. Hoadley, Raleigh; *Development of Phasor Display Device*; 8 months; \$3,450

NORTHWESTERN UNIVERSITY, Evanston, Ill.; All Bulent Cambel; *Development of Apparatus and Experiments in Magneto-Gas Dynamics*; 2 years; \$42,360

OHIO STATE UNIVERSITY, Columbus; Neal A. Smith; *Development of a Magnetic Network Demonstrator*; 1 year; \$4,780

OHIO UNIVERSITY, Athens; H. Benne Kendall; *Development of a Versatile Apparatus for Instructing Undergraduates in Flow System Chemical Reaction Rate Phenomena*; 1 year; \$3,440

OKLAHOMA STATE UNIVERSITY, Stillwater; H. G. Thuesen; *Development of a Memo-Activity Camera*; 13 months; \$6,940

PENNSYLVANIA STATE UNIVERSITY, University Park; Hans Neuberger; *Development of Lecture Demonstrations, Laboratory Experiments, and Observational Equipment for Teaching Elementary Meteorology in Schools and Colleges*; 1 year; \$9,330

UNIVERSITY OF PITTSBURGH, Pa.; Edward A. Kennard; *Design and Development of Three-Dimensional Representations of Kinship Structures*; 1 year; \$8,260

PRINCETON UNIVERSITY, Princeton, N.J.; Hubert N. Alvea; *Development of Overhead Projection Techniques*; 1 year; \$27,520

PURDUE UNIVERSITY, Lafayette, Ind.; James W. Barany; *Development of a Force-Platform for Measuring Bodily Movements*; 1 year; \$4,490

George W. Hughes; *Development of an Inexpensive Digital-to-Analog Converter for Curve Plotting with Small Digital Computers*; 6 months; \$6,110

REED COLLEGE, Portland, Ore.; Frederick D. Tabbutt; *Development of Equipment and Experiments for Teaching Instrumental Analysis*; 1 year; \$8,020

RENSSSLAER POLYTECHNIC INSTITUTE, Troy, N.Y.; Henry E. Breed; *Development of an Electron-Optical Bench for Student Experiment*; 1 year; \$11,040

Paul M. DeRusso; *Development of a Digital-Analog Controller for Sampled Data Systems*; 1 year; \$12,590

ST. LOUIS UNIVERSITY, St. Louis, Mo.; Lyman J. Wood; *Construction and Description of Symmetry Models of the Principal Space Groups*; 1 year; \$8,800

STANFORD UNIVERSITY, Stanford, Calif.; George A. Parks; *Development of Apparatus for the Study of Automatic Control Systems*; 2 years; \$7,620

John C. Shyne; *Preparation of Projection Slides for Use in Teaching Materials Science*; 1 year; \$5,450

TEMPLE UNIVERSITY, Philadelphia, Pa.; John Franklin Huber; *Development of Models of Structural Relationships in Difficult to Understand Areas of Human Anatomy*; 1 year; \$8,450

TUFTS UNIVERSITY, Medford, Mass.; Karl H. Illinger; *Development of Quantitative Molecular Models Representing the Molecular Charge Distribution*; 2 years; \$17,240

VALPARAISO UNIVERSITY, Valparaiso, Ind.; Leslie M. Zoss; *Development of a Control System Analog for Demonstration and Laboratory Use in the Teaching of Closed Loop Control Theory*; 1 year; \$5,390

UNIVERSITY OF WASHINGTON, Seattle; Albert L. Babb and William E. Wilson, Jr.; *Development of a Boron Trifluoride Pole Oscillator for University Nuclear Training Reactors*; 2 years; \$22,630

WASHINGTON STATE UNIVERSITY, Pullman; Charles F. Morrison, Jr.; *Development of a General Utility Analytical (Chemical) Instrument Employing Operational Amplifiers*; 16 months; \$4,670

WAYNE STATE UNIVERSITY, Detroit, Mich.; Yehuda Klausner; *Designing and Building of a Pneumatic Loading Device for Pure Deviatoric Loading of Soils*; 15 months; \$5,170

WESTERN MICHIGAN UNIVERSITY, Kalamazoo; George E. Bradley and Jacob P. Dewitt; *Development of Atomic and Nuclear Experiments for Use in Undergraduate Laboratories*; 2 years; \$2,070

UNIVERSITY OF WISCONSIN, Madison; Henry Van Engen; *Development of Television Courses in Mathematics for Elementary Schools*; 2 years; \$130,200

OTHER EDUCATION IN THE SCIENCES GRANTS

AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, Washington, D.C.; Hilary J. Deason; *Traveling High School and Elementary School Science Library Program*; 18 months; \$248,000

John R. Mayor; *1961 Visiting Foreign Staff Project*; 1 year; \$83,600

Dael Wolfe; *A Study of the Organization, Operation, Objectives, and Potentials of Junior and Collegiate Academies of Science*; 18 months; \$10,470

AMERICAN PSYCHOLOGICAL ASSOCIATION, Washington, D.C.; Sherman Ross; *Preparation of a brochure on "A Career in Psychology"*; 1 year; \$4,600

BOSTON UNIVERSITY, Mass.; Robert S. Cohen; *Inter-institutional Cooperative Association in the Philosophy of Science*; 14 months; \$6,930

CARLETON COLLEGE, Northfield, Minn.; Seymour Schuster; *Conference on Undergraduate Research in Mathematics*; 1 week; \$19,770

UNIVERSITY OF CHICAGO, Ill.; Sverre Pettersen; *Inter-institutional Cooperative Association in Oceanography*; 30 months; \$81,390

INTERNATIONAL COOPERATION ADMINISTRATION, Washington, D.C.; James W. Riddleberger; *World Wide Scientists Research Project*; 1 year; \$30,000

MUSEUM OF ART, SCIENCE, AND INDUSTRY, Bridgeport, Conn.; Earle W. Newton; *Mobile Exhibit Trailer in Astronomy and Interplanetary Exploration*; 18 months; \$13,225

NATIONAL ACADEMY OF SCIENCES—NATIONAL RESEARCH COUNCIL, Washington, D.C.; Paul R. Schafer; *Special Field Institute for American College Teachers of Geology in Great Britain*; 1 year; \$47,720

NATIONAL 4-H CLUB FOUNDATION OF AMERICA, Inc., Washington, D.C.; Grant A. Shrum; *A Study of the Possibilities of Expanding the Understanding and Use of Science Through 4-H Work*; 18 months; \$47,200

NATIONAL HEALTH COUNCIL, N.Y., N.Y.; Zilpha C. Franklin; *Printing and Distribution of Booklet—New Careers in the Health Sciences*; 1 year; \$17,250

NATIONAL SCIENCE TEACHERS ASSOCIATION, Washington, D.C.; Robert H. Carleton; *Supplementary Student Science Project*; 5 months; \$970

UNIVERSITY OF NEBRASKA, Lincoln; Norman H. Cromwell; *Cooperative College Teacher Development Program*; 30 months; \$159,800

OKLAHOMA ACADEMY OF SCIENCE, Norman; J. Teague Self; *Consultative Service for Community Sponsored Improvement Programs in Science Education*; 1 year; \$2,800

POLYTECHNIC INSTITUTE OF BROOKLYN, N.Y.; Albert D. Capuro; *The Preparation of Foreign Trained Engineers to Teach Engineering, Mathematics, Physics, and Chemistry*; 20 months; \$30,060

SCIENCE SERVICE, Washington, D.C.; Watson Davis; *National Science Youth Program*; 16 months; \$25,000

TEMPLE UNIVERSITY, Philadelphia, Pa.; Elmer L. Offenbacher; *Visiting Foreign Staff Project for 1960 Summer Institutes in Physical Sciences*; 10 months; \$4,425

WALDEMAR MEDICAL RESEARCH FOUNDATION, Inc., Port Washington, N.Y.; Norman Molomut; *Research Science Projects: Guidance to High School Teachers and Students in the Biological Sciences*; 18 months; \$12,925

UNIVERSITY OF WASHINGTON, Seattle; Joseph L. McCarthy; *Inter-institutional Co-operative Association in the Teaching of Science*; 26 months; \$120,040

GRADUATE LABORATORY DEVELOPMENT

AGRICULTURAL AND MECHANICAL COLLEGE OF TEXAS, College Station; Wayne C. Hall; *Construction of Botanical Sciences Research Laboratories*; 2 years; \$100,000

UNIVERSITY OF ARIZONA, Tucson; Emil W. Haury; *Addition of a Floor to a New Anthropology Building*; 2 years; \$183,800

BOSTON UNIVERSITY, Mass.; Lowell W. Coulter; *Improvement and Expansion of Facilities for Chemical Research*; 1 year; \$181,000

George P. Fulton; *Remodeling of a Building to Permit Expansion of Biological Research Laboratory Facilities*; 2 years; \$295,260

BRANDEIS UNIVERSITY, Waltham, Mass.; Saul G. Cohen; *Construction of a New Chemistry Research Building*; 2 years; \$150,420

Nathan O. Kaplan; *Expansion, Remodeling, and Furnishing of Laboratories for Biochemical Research*; 1 year; \$22,600

BROWN UNIVERSITY, Providence, R.I.; Alonzo W. Quinn; *Modernization of Laboratories for Graduate Research in Geology*; 1 year; \$5,800

UNIVERSITY OF BUFFALO, N.Y.; Clinton M. Osborn; *Construction of a Research Greenhouse*; 1 year; \$16,200

UNIVERSITY OF CALIFORNIA, Berkeley, Melvin Calvin; *Construction of a Laboratory for Photosynthesis and Chemical Biodynamics*; 3 years; \$627,500

CARNEGIE INSTITUTE OF TECHNOLOGY, Pittsburgh, Pa.; Truman P. Kohman; *Nuclear Chemistry Laboratory Extension*; 1 year; \$20,500

A. G. Milnes; *Renovation of Space to Expand Basic Research for Materials Science*; 1 year; \$15,000

CATHOLIC UNIVERSITY OF AMERICA, Washington, D.C.; Henry P. Ward; *Renovation and Refurnishing of Chemistry Research Laboratories*; 2 years; \$75,000

UNIVERSITY OF CHICAGO, Ill.; Clyde A. Hutchison, Jr.; *Partial Renovation of Kent Chemical Laboratory*; 2 years; \$148,800

R. S. Mulliken and C. C. S. Roothaan; *Modernization of the Molecular Structure and Spectra Laboratory*; 1 year; \$5,000

UNIVERSITY OF CINCINNATI, Ohio; Milton Orchin; *Renovation and Modernization of Graduate Research Laboratories in the Chemistry Building*; 1 year; \$47,000

COLORADO STATE UNIVERSITY RESEARCH FOUNDATION, Fort Collins; Harold K. Hagen and Lee E. Yeager; *Renovation of Laboratories for Fisheries and Wildlife Research*; 1 year; \$1,500

T. E. Haus; *Construction of Controlled Environment Chambers for Plant and Soil Research*; 1 year; \$19,000

COLUMBIA UNIVERSITY, New York, N.Y.; Charles O. Beckmann; *Renovation of the Chandler Chemical Laboratories*; 2 years; \$145,600

J. R. Dunning; *Construction of Terrace Building Portion of the New Engineering Center*; 2 years; \$350,000

CORNELL UNIVERSITY, Ithaca, N.Y.; C. E. Palm and W. K. Kennedy; *Construction of Laboratory Facilities for Research on Plant Nutrition and Metabolism*; 2 years; \$118,800

A. F. Ross and W. F. Mai; *Construction of Laboratories for Research in Plant Virology and Plant Nematology*; 1 year; \$72,100

Robert L. Sproull; *Renovation of Graduate Research Laboratories in Department of Physics, Rockefeller Hall*; 1 year; \$16,400

DUKE UNIVERSITY, Durham, N.C.; H. J. Oesting and K. M. Wilbur; *Furnishings for Botany and Zoology Research Laboratories*; 2 years; \$155,500

UNIVERSITY OF FLORIDA, Gainesville; John T. Creighton; *Remodeling of Entomological Research Laboratory*; 1 year; \$5,200

GEORGETOWN UNIVERSITY, Washington, D.C.; F. O. Rice; *Construction of New Research Facilities for Chemistry in New Science Building*; 15 months; \$250,000

GEORGIA INSTITUTE OF TECHNOLOGY, Atlanta; William M. Spicer; *Addition of Third Floor to Present Chemistry Annex Building*; 2 years; \$94,400

HARVARD UNIVERSITY, Cambridge, Mass.; Eugene P. Kennedy; *Remodeling and Expansion of Research Facilities in the Department of Biological Chemistry of the Medical School*; 2 years; \$111,000

Carroll M. Williams; *Renovation and Refurnishing of Biological Research Laboratories*; 2 years; \$400,000

UNIVERSITY OF ILLINOIS, Urbana; William H. Johnson; *Construction of Laboratories for Electron Microscopy*; 1 year; \$86,600

JOHNS HOPKINS UNIVERSITY, Baltimore, Md.; G. H. Dieke; *Enlargement of the Physics Laboratory*; 2 years; \$400,000

KANSAS STATE UNIVERSITY, Manhattan; A. Eisenstark; *Conversion of Attic Space to Laboratories for Bacteriological Research*; 1 year; \$22,000

UNIVERSITY OF KANSAS, Lawrence; Ronald L. McGregor; *Furnishings for Biological Research Laboratories*; 1 year; \$66,800

UNIVERSITY OF KENTUCKY, Lexington; R. H. Weaver; *Furnishing of Electron Microscope and Isotope Laboratories for Bacteriological Research*; 1 year; \$3,800

UNIVERSITY OF LOUISVILLE, Ky.; Paul G. LeFevre; *Renovation of Pharmacology Basic Research Laboratory*; 1 year; \$4,800

LOYOLA UNIVERSITY, Chicago, Ill.; Raymond P. Mariella; *Modernization and Renovation of Space for Chemistry Laboratories*; 1 year; \$12,500

MASSACHUSETTS INSTITUTE OF TECHNOLOGY, Cambridge; Edwin R. Gilliland; *Renovation of Chemical Engineering Research Laboratories*; 1 year; \$13,800

UNIVERSITY OF MIAMI, Coral Gables, Fla.; W. Henry Leigh; *Renovation of Laboratories for Research in Zoology*; 1 year; \$6,800

MICHIGAN STATE UNIVERSITY, East Lansing; H. B. Stonehouse; *Remodeling and Refurbishing a Geochemistry Research Laboratory*; 1 year; \$3,000

UNIVERSITY OF MICHIGAN, Ann Arbor, A. Geoffrey Norman; *Construction of Laboratories for Botanical Gardens*; 2 years; \$120,000

Karl F. Lagler; *Graduate Research Facilities for Fisheries Biology*; 1 year; \$34,000

NEW MEXICO HIGHLANDS UNIVERSITY, Las Vegas; Earl Usdin; *Construction of a Cold Room in the Science Annex for Biochemical Research*; 1 year; \$3,100

NEW MEXICO INSTITUTE OF MINING AND TECHNOLOGY, Socorro; Marx Brook; *Enlargement of Observation Tower and Atmospheric Physics Laboratory*; 1 year; \$30,600

UNIVERSITY OF NEW MEXICO, Albuquerque, F. D. Ju; *Controlled Environment Facility for Mechanical Engineering Research*; 1 year; \$3,400

UNIVERSITY OF NORTH CAROLINA, Chapel Hill; John N. Couch; *Construction and Furnishing of a New Building for the Department of Botany*; 2 years; \$80,250

UNIVERSITY OF NOTRE DAME, Notre Dame, Ind.; Adolf G. Strandhagen; *Modernization of Engineering Science Research Laboratories*; 1 year; \$10,900

OHIO WESLEYAN UNIVERSITY, Delaware; Arne Slettebak; *Renovations to Provide Increased Library and Office Space at the Perkins Observatory*; 1 year; \$2,500

OREGON STATE UNIVERSITY, Corvallis; F. W. Decker; *Construction of Meteorological Research Facilities*; 1 year; \$2,050

PENNSYLVANIA STATE UNIVERSITY, University Park; Richard G. Stoner; *Renovation of Graduate Research Facilities in Physics*; 1 year; \$5,000

O. F. Tuttle; *Addition to the Geochemistry Research Laboratories*; 2 years; \$67,750

Robert W. Taft, Jr.; *Conversion of Storage Space for Expansion of Chemistry Research Facilities*; 1 year; \$7,000

UNIVERSITY OF PENNSYLVANIA, Philadelphia; V. G. Dethler; *Completion and Furnishing of Biology Animal Service*; 2 years; \$41,900

H. E. Morton; *Equipment for a New Central Microbiological Media Room*; 1 year; \$25,200

UNIVERSITY OF PITTSBURGH, Pa.; James Coull; *Modernization of Research Laboratories in Chemical Engineering*; 1 year; \$27,000

T. H. Dunkelberger; *Renovation of Chemistry Research Laboratories*; 1 year; \$12,500

C. L. Ralph; *Renovation and Furnishing of Biological Research Laboratory*; 1 year; \$3,600

POLYTECHNIC INSTITUTE OF BROOKLYN, N.Y.; Nathan Marcovitz; *Construction of Grad-*

uate Level Research Laboratories; 2 years; \$875,000

PRINCETON UNIVERSITY, N.J.; J. C. Elgin; Construction and Furnishing of Graduate Research Laboratory; 2 years; \$275,000

H. H. Hess; Equipping of Existing Geology Research Facility; 1 year; \$20,500

William P. Jacobs; Controlled Environment Rooms and Chambers for Biological Research; 1 year; \$30,000

PURDUE RESEARCH FOUNDATION, Lafayette, Ind.; E. Blueler; Addition to Physics Building; 2 years; \$91,900

R. E. Davis and J. Wolinsky; Conversion of Fifth Floor of Chemistry Building into Research Space; 1 year; \$30,000

PURDUE UNIVERSITY, Lafayette, Ind.; A. C. Leopold and A. T. Leiser; Construction of High Light Intensity Environmental Control Chambers for Research in Plant Physiology; 1 year; \$87,200

J. V. Osmun; Controlled Environment Facility for Research in Entomology; 1 year; \$23,200

B. J. Rogers; Expansion of and Increase in Light Intensity in the Controlled Climate Facility; 1 year; \$13,000

RESEARCH FOUNDATION OF STATE OF NEW YORK, Albany; R. A. Zabel, Syracuse; Renovation of Forest Botany Research Laboratories; 1 year; \$5,300

UNIVERSITY OF RHODE ISLAND, Kingston; Richard F. Stouffer; Construction of Greenhouses and Furnishing of a Plant Virology Laboratory; 1 year; \$6,900

UNIVERSITY OF ROCHESTER, N.Y.; R. E. Marshak, P. Ramli, and R. E. Hopkins; Addition of Wing to Bausch and Lomb Building; 2 years; \$375,000

RUTGERS, THE STATE UNIVERSITY, New Brunswick, N.J.; W. R. Robbins; Renovation of Chemical Facility of Plant Physiology Research Laboratory; 1 year; \$1,500

Henry C. Torrey; Construction of a Physics Research Building; 2 years; \$400,000

STANFORD UNIVERSITY, Calif.; L. I. Schiff; Construction of a New Physics Research Laboratory; 2 years; \$400,000

STATE UNIVERSITY OF IOWA, Iowa City; Jerry J. Kollros; Renovation of Research Space in the Zoology Building; 1 year; \$11,000

Ralph L. Shriner; Construction of Annex to the Chemistry Building; 1 year; \$200,000

STEVENS INSTITUTE OF TECHNOLOGY, Hoboken, N.J.; S. S. Stivala; Renovation and Expansion of Chemistry and Chemical Engineering Research Laboratories; 18 months; \$45,600

UNIVERSITY OF TENNESSEE, Knoxville; Alvin H. Nielsen; Additional Research Space in New Physics Building; 2 years; \$108,000

TEXAS AGRICULTURAL AND MECHANICAL RESEARCH FOUNDATION, College Station; Ethan C. Holt; Renovation and Furnishing of Plant Cytogenetics Research Laboratories; 1 year; \$2,250

Dale F. Leipper; Expansion, Renovation, and Modernization of Research Laboratories of Oceanography; 1 year; \$50,000

TULANE UNIVERSITY, New Orleans, La.; Paul C. Beaver; Modernization and Expansion of Insectary and other Facilities for Parasitological Research, 1 year; \$1,700

H. S. Mayerson and W. B. Wendel; Furnishing of Biochemistry and Physiology Laboratories for Graduate Student Research; 1 year; \$27,700

UTAH STATE UNIVERSITY, Logan; W. Whitney Smith; Construction of a Cold Room for Bacteriological Research; 1 year; \$800

WASHINGTON STATE UNIVERSITY, Pullman; Carl M. Stevens; Completion of Certain Research Facilities of the Department of Chemistry; 1 year; \$8,300

UNIVERSITY OF WASHINGTON, Seattle; P. C. Cross; New Research Facilities in the Chemistry Laboratory; 2½ years; \$300,000

Arthur W. Martin; Construction of Biological Research Facilities in the New University Museum; 2 years; \$100,000

UNIVERSITY OF WISCONSIN, Madison; M. R. Irwin and J. F. Crow; Construction of a New Building for Research in Genetics; 2 years; \$122,000

W. S. Laughlin; Furnishings for a Research Laboratory of Physical Anthropology; 1 year; \$7,100

R. Rollefson; Construction of a Physics Research Facility Addition to Sterling Hall; 1 year; \$200,000

William D. Walker; A Laboratory Building for High Energy Physics; 1 year; \$72,500

YALE UNIVERSITY, New Haven, Conn.; R. F. Flint; Geologic Research Laboratory; 2 years; \$400,000

INSTITUTIONAL GRANTS FOR SCIENTIFIC ACTIVITIES

ADELPHI COLLEGE, Garden City, N.Y.; \$985

AGRICULTURAL AND MECHANICAL COLLEGE OF TEXAS, College Station; \$8,438

UNIVERSITY OF AKRON, Ohio; \$465

UNIVERSITY OF ALABAMA, University; \$1,210

UNIVERSITY OF ALASKA, College; \$9,700

ALBION COLLEGE, Albion, Mich.; \$170

ALFRED UNIVERSITY, Alfred, New York; \$200

AMERICAN UNIVERSITY, Washington, D.C.; \$135

AMHERST COLLEGE, Amherst, Mass.; \$3,210

UNIVERSITY OF ARIZONA, Tucson; \$17,510

ARIZONA STATE UNIVERSITY, Tempe; \$560

UNIVERSITY OF ARKANSAS, Fayetteville; \$4,350

AUGSBURG COLLEGE AND THEOLOGICAL SEMINARY, Minneapolis, Minn.; \$90

AUGUSTANA COLLEGE, Rock Island, Ill.; \$250

BEREA COLLEGE, Berea, Ky.; \$55

BOSTON COLLEGE, Chestnut Hill, Mass.; \$265

BOSTON UNIVERSITY, Mass.; \$8,150

BOWDOIN COLLEGE, Brunswick, Maine; \$475

BRANDEIS UNIVERSITY, Waltham, Mass.; \$19,358

BRIGHTON YOUNG UNIVERSITY, Provo, Utah; \$3,395

BROWN UNIVERSITY, Providence, R.I.; \$11,579

BRYN MAWR COLLEGE, Bryn Mawr, Pa.; \$315

UNIVERSITY OF BUFFALO, New York; \$4,068

UNIVERSITY OF CALIFORNIA, Berkeley; \$37,500

UNIVERSITY OF CALIFORNIA, Davis; \$8,838
 UNIVERSITY OF CALIFORNIA, La Jolla; \$37,500
 UNIVERSITY OF CALIFORNIA, Los Angeles; \$82,395
 UNIVERSITY OF CALIFORNIA, Riverside; \$1,070
 UNIVERSITY OF CALIFORNIA, Santa Barbara; \$405
 CALIFORNIA INSTITUTE OF TECHNOLOGY, Pasadena; \$23,764
 CANISUS COLLEGE, Buffalo, N.Y.; \$175
 CARLETON COLLEGE, Northfield, Minn.; \$880
 CARNEGIE INSTITUTE OF TECHNOLOGY, Pittsburgh, Pa.; \$8,350
 CASE INSTITUTE OF TECHNOLOGY, Cleveland, Ohio; \$6,565
 CATHOLIC UNIVERSITY, Washington, D.C.; \$3,310
 CENTRAL STATE COLLEGE, Wilberforce, Ohio; \$170
 COLLEGE OF CHARLESTON, Charleston, S.C.; \$175
 UNIVERSITY OF CHICAGO, Ill.; \$37,500
 UNIVERSITY OF CINCINNATI, Cincinnati, Ohio; \$3,988
 CITY COLLEGE, New York, N.Y.; \$675
 CLARKSON COLLEGE OF TECHNOLOGY, Potsdam, N.Y.; \$105
 CLARK UNIVERSITY, Worcester, Mass.; \$1,650
 CLEMSON COLLEGE, Clemson, S.C.; \$685
 COE COLLEGE, Cedar Rapids, Iowa; \$200
 COLBY COLLEGE, Waterville, Maine; \$395
 UNIVERSITY OF COLORADO, Boulder; \$13,791
 COLORADO SCHOOL OF MINES, Golden; \$730
 COLORADO STATE UNIVERSITY, Fort Collins; \$4,625
 COLUMBIA UNIVERSITY, New York, N.Y.; \$36,807
 UNIVERSITY OF CONNECTICUT, Storrs; \$3,218
 CONNECTICUT COLLEGE, New London; \$340
 CORNELL COLLEGE, Mount Vernon, Iowa; \$640
 CORNELL UNIVERSITY, Ithaca, N.Y.; \$21,748
 DARTMOUTH COLLEGE, Hanover, N.H.; \$17,025
 UNIVERSITY OF DAYTON, Ohio; \$300
 UNIVERSITY OF DELAWARE, Newark; \$2,970
 DENISON UNIVERSITY, Granville, Ohio; \$198
 DEPAUL UNIVERSITY, Chicago, Ill.; \$525
 DEPAUW UNIVERSITY, Greencastle, Ind.; \$505
 DUKE UNIVERSITY, Durham, N.C.; \$13,185
 DUQUESNE UNIVERSITY, Pittsburgh, Pa.; \$1,275
 EARLHAM COLLEGE, Richmond, Ind.; \$210
 ELMIRA COLLEGE, Elmira, N.Y.; \$305
 EMORY UNIVERSITY, Atlanta, Ga.; \$3,053
 UNIVERSITY OF FLORIDA, Gainesville; \$11,525
 FLORIDA STATE UNIVERSITY, Tallahassee; \$13,043
 FORDHAM UNIVERSITY, New York, N.Y.; \$8,500
 FRANKLIN AND MARSHALL COLLEGE, Lancaster, Pa.; \$947
 GEORGE WASHINGTON UNIVERSITY, Washington, D.C.; \$4,759
 GEORGETOWN UNIVERSITY, Washington, D.C.; \$935
 GEORGE WASHINGTON CARVER FOUNDATION, Tuskegee Institute, Ala.; \$390
 UNIVERSITY OF GEORGIA, Athens; \$5,705
 GEORGIA INSTITUTE OF TECHNOLOGY, Atlanta; \$7,790
 GOSHEN COLLEGE, Goshen, Ind.; \$180
 GOUCHER COLLEGE, Baltimore, Md.; \$1,299
 GRINNELL COLLEGE, Grinnell, Iowa; \$1,685
 HAMILTON COLLEGE, Clinton, N.Y.; \$185
 HANOVER COLLEGE, Hanover, Ind.; \$10
 HARVARD UNIVERSITY, Cambridge, Mass.; \$37,500
 HARVEY MUDD COLLEGE, Claremont, Calif.; \$940
 HAVERFORD COLLEGE, Haverford, Pa.; \$1,500
 UNIVERSITY OF HAWAII, Honolulu; \$7,450
 UNIVERSITY OF HOUSTON, Houston, Tex.; \$3,298
 HOWARD UNIVERSITY, Washington, D.C.; \$250
 UNIVERSITY OF IDAHO, Moscow; \$1,483
 IDAHO STATE COLLEGE, Pocatello; \$230
 UNIVERSITY OF ILLINOIS, Urbana; \$37,500
 ILLINOIS INSTITUTE OF TECHNOLOGY, Chicago; \$4,497
 INDIANA UNIVERSITY, Bloomington; \$18,375
 IOWA STATE UNIVERSITY OF SCIENCE AND TECHNOLOGY, Ames; \$8,880
 JEFFERSON MEDICAL COLLEGE OF PHILADELPHIA, Pa.; \$600
 JOHNS HOPKINS UNIVERSITY, Baltimore, Md.; \$23,753
 KALAMAZOO COLLEGE, Kalamazoo, Mich.; \$165
 UNIVERSITY OF KANSAS, Lawrence; \$18,002
 UNIVERSITY OF KANSAS CITY, Kansas City, Mo.; \$705
 KANSAS STATE TEACHERS COLLEGE, Emporia; \$825
 KANSAS STATE UNIVERSITY, Manhattan; \$2,200
 KANSAS WESLEYAN UNIVERSITY, Salina; \$150
 KENT STATE UNIVERSITY, Kent, Ohio; \$960
 KENTUCKY RESEARCH FOUNDATION, Lexington; \$2,760
 LAFAYETTE COLLEGE, Easton, Pa.; \$150
 LAMAR STATE COLLEGE OF TECHNOLOGY, Beaumont, Tex.; \$505
 LAWRENCE COLLEGE, Appleton, Wis.; \$375
 LEHIGH UNIVERSITY, Bethlehem, Pa.; \$4,367
 LEMOYNE COLLEGE, Syracuse, N.Y.; \$360
 LINCOLN UNIVERSITY, Jefferson City, Mo.; \$120
 LINFIELD RESEARCH INSTITUTE, McMinnville, Ore.; \$585
 LONG BEACH STATE COLLEGE FOUNDATION, Calif.; \$705
 LONGWOOD COLLEGE, Farmville, Va.; \$540
 LOUISIANA POLYTECHNIC INSTITUTE, Ruston; \$180

LOUISIANA STATE UNIVERSITY, Baton Rouge; \$6,451
 UNIVERSITY OF LOUISVILLE, Louisville, Ky.; \$5,140
 LOYOLA UNIVERSITY; Chicago, Ill.; \$470
 LOYOLA UNIVERSITY, New Orleans, La.; \$115
 LUBBOCK CHRISTIAN COLLEGE, Lubbock, Tex.; \$60
 MACALESTER COLLEGE, St. Paul, Minn.; \$197
 UNIVERSITY OF MAINE, Orono; \$525
 MANCHESTER COLLEGE, North Manchester, Ind.; \$545
 MANHATTAN COLLEGE, N.Y., N.Y.; \$575
 MARQUETTE UNIVERSITY, Milwaukee, Wis.; \$3,552
 UNIVERSITY OF MARYLAND, College Park; \$8,829
 UNIVERSITY OF MASSACHUSETTS, Amherst; \$2,590
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY, Cambridge; \$37,500
 MEDICAL COLLEGE OF SOUTH CAROLINA, Charleston; \$529
 MEDICAL COLLEGE OF VIRGINIA, Richmond; \$925
 UNIVERSITY OF MIAMI, Coral Gables, Fla.; \$12,925
 MIAMI UNIVERSITY, Oxford, Ohio; \$935
 UNIVERSITY OF MICHIGAN, Ann Arbor; \$37,500
 MICHIGAN STATE UNIVERSITY, East Lansing; \$13,705
 MIDDLEBURY COLLEGE, Middlebury, Vt.; \$375
 UNIVERSITY OF MINNESOTA, Minneapolis; \$33,936
 UNIVERSITY OF MISSISSIPPI, University; \$895
 MISSISSIPPI STATE UNIVERSITY, State College; \$200
 UNIVERSITY OF MISSOURI, Columbia; \$11,035
 MONTANA STATE COLLEGE, Bozeman; \$2,235
 MONTANA STATE UNIVERSITY, Missoula; \$1,410
 MOUNT HOLYOKE COLLEGE, South Hadley, Mass.; \$700
 UNIVERSITY OF NEBRASKA, Lincoln; \$7,005
 UNIVERSITY OF NEVADA, Reno; \$235
 UNIVERSITY OF NEW HAMPSHIRE, Durham; \$2,935
 UNIVERSITY OF NEW MEXICO, Albuquerque; \$4,995
 NEW MEXICO INSTITUTE OF MINING AND TECHNOLOGY, Socorro; \$870
 NEW MEXICO HIGHLANDS UNIVERSITY, Las Vegas; \$75
 NEW MEXICO STATE UNIVERSITY, University Park; \$290
 NEW YORK UNIVERSITY, N.Y.; \$24,749
 UNIVERSITY OF NORTH CAROLINA, Chapel Hill, N.C.; \$20,025
 UNIVERSITY OF NORTH DAKOTA, Grand Forks; \$2,680
 NORTH DAKOTA STATE UNIVERSITY, Fargo; \$960
 NORTHEASTERN UNIVERSITY, Boston, Mass.; \$740
 NORTHERN ILLINOIS UNIVERSITY, DeKalb; \$780
 NORTHWESTERN UNIVERSITY, Evanston, Ill.; \$17,024
 NORTHWEST NAZARENE COLLEGE, Nampa, Idaho; \$510
 UNIVERSITY OF NOTRE DAME, Notre Dame, Ind.; \$6,870
 OBERLIN COLLEGE, Oberlin, Ohio; \$1,140
 OHIO STATE UNIVERSITY, Columbus; \$22,271
 OHIO UNIVERSITY, Athens; \$1,135
 OHIO WESLEYAN UNIVERSITY, Delaware; \$730
 UNIVERSITY OF OKLAHOMA RESEARCH INSTITUTE, Norman; \$8,120
 OKLAHOMA STATE UNIVERSITY, Stillwater; \$6,874
 UNIVERSITY OF OREGON, Eugene; \$12,343
 OREGON STATE UNIVERSITY, Corvallis; \$11,863
 PAN AMERICAN COLLEGE, Edinburg, Tex.; \$160
 UNIVERSITY OF PENNSYLVANIA, Philadelphia; \$37,500
 PENNSYLVANIA STATE UNIVERSITY, University Park; \$17,988
 UNIVERSITY OF PITTSBURGH, Pa.; \$13,105
 POLYTECHNIC INSTITUTE OF BROOKLYN, N.Y.; \$3,585
 POMONA COLLEGE, Claremont, Calif.; \$245
 UNIVERSITY OF PORTLAND, Oreg.; \$230
 PORTLAND STATE COLLEGE, Oreg.; \$1,175
 PRATT INSTITUTE, Brooklyn, N.Y.; \$210
 PRINCETON UNIVERSITY, Princeton, N.J.; \$27,946
 PRINCIPIA COLLEGE, Elmhurst, Ill.; \$225
 UNIVERSITY OF PUGET SOUND, Tacoma, Wash.; \$530
 PURDUE RESEARCH FOUNDATION, Lafayette, Ind.; \$28,375
 REED COLLEGE, Portland, Oreg.; \$1,286
 RENSSELAER POLYTECHNIC INSTITUTE, Troy, N.Y.; \$4,235
 RESEARCH FOUNDATION OF STATE UNIVERSITY OF NEW YORK, Albany; \$9,724
 UNIVERSITY OF RHODE ISLAND, Kingston; \$1,360
 UNIVERSITY OF ROCHESTER, N.Y.; \$8,355
 ROCKEFELLER INSTITUTE, New York, N.Y.; \$4,393
 ROOSEVELT UNIVERSITY, Chicago, Ill.; \$270
 ROSE POLYTECHNIC INSTITUTE, Terre Haute, Ind.; \$750
 RUTGERS, THE STATE UNIVERSITY, New Brunswick, N.J.; \$14,385
 SACRAMENTO STATE COLLEGE FOUNDATION, Calif.; \$1,140
 ST. BONAVENTURE UNIVERSITY, St. Bonaventure, N.Y.; \$145
 ST. LAWRENCE UNIVERSITY, Canton, N.Y.; \$105
 ST. LOUIS UNIVERSITY, Mo.; \$1,555
 ST. OLAF COLLEGE, Northfield, Minn.; \$200
 SAN DIEGO STATE COLLEGE FOUNDATION, Calif.; \$865

UNIVERSITY OF SAN FRANCISCO, Calif.; \$510
 SAN JOSE STATE COLLEGE CORPORATION,
 Calif.; \$420
 SEATTLE PACIFIC COLLEGE, Wash.; \$275
 SMITH COLLEGE, Northampton, Mass.;
 \$2,680
 UNIVERSITY OF SOUTH CAROLINA, Columbia;
 \$565
 SOUTH DAKOTA STATE COLLEGE, Brookings;
 \$540
 UNIVERSITY OF SOUTHERN CALIFORNIA, Los
 Angeles; \$13,725
 SOUTHERN ILLINOIS UNIVERSITY, Carbondale;
 \$1,455
 SOUTHERN METHODIST UNIVERSITY, Dallas,
 Tex.; \$1,915
 UNIVERSITY OF SOUTHWESTERN LOUISIANA,
 Lafayette; \$440
 STANFORD UNIVERSITY, Stanford, Calif.;
 \$37,500
 STATE UNIVERSITY OF IOWA, Iowa City;
 \$8,419
 STATE UNIVERSITY OF SOUTH DAKOTA, Ver-
 million; \$1,050
 STEPHEN F. AUSTIN STATE COLLEGE, Nacog-
 doches, Tex.; \$110
 STEVENS INSTITUTE OF TECHNOLOGY, Ho-
 boken, N.J.; \$1,275
 SWARTHMORE COLLEGE, Swarthmore, Pa.;
 \$1,985
 SYRACUSE UNIVERSITY, N.Y.; \$10,730
 TEMPLE UNIVERSITY, Philadelphia, Pa.;
 \$3,990
 UNIVERSITY OF TENNESSEE, Knoxville;
 \$9,185
 UNIVERSITY OF TEXAS, Austin; \$26,924
 TEXAS CHRISTIAN UNIVERSITY, Fort Worth;
 \$750
 TEXAS COLLEGE OF ARTS AND INDUSTRIES,
 Kingsville; \$130
 TEXAS TECHNOLOGICAL COLLEGE, Lubbock;
 \$886
 UNIVERSITY OF TOLEDO, Ohio; \$290
 TRINITY COLLEGE, Hartford, Conn.; \$223
 TUFTS UNIVERSITY, Medford, Mass.; \$6,335
 TULANE UNIVERSITY, New Orleans, La.;
 \$9,803
 UNIVERSITY OF TULSA, Okla.; \$200
 UNION COLLEGE AND UNIVERSITY, Schene-
 cady, N.Y.; \$385
 UNIVERSITY OF UTAH, Salt Lake City; \$8,522
 UTAH STATE UNIVERSITY, Logan; \$1,230
 VANDERBILT UNIVERSITY, Nashville, Tenn.;
 \$8,075
 VASSAR COLLEGE, Poughkeepsie, N.Y.; \$110
 UNIVERSITY OF VERMONT, Burlington;
 \$5,741
 VILLANOVA UNIVERSITY, Villanova, Pa.; \$760
 UNIVERSITY OF VIRGINIA, Charlottesville;
 \$2,865
 VIRGINIA POLYTECHNIC INSTITUTE, Blacks-
 burg; \$2,294
 WABASH COLLEGE, Crawfordsville, Ind.;
 \$670
 UNIVERSITY OF WASHINGTON, Seattle, Wash.;
 \$31,935
 WASHINGTON AND LEE UNIVERSITY, Lexing-
 ton, Va.; \$90
 WASHINGTON STATE UNIVERSITY, Pullman,
 Wash.; \$8,841
 WASHINGTON UNIVERSITY, St. Louis, Mo.;
 \$14,205
 WAYNE STATE UNIVERSITY, Detroit, Mich.;
 \$7,635
 WELLESLEY COLLEGE, Wellesley, Mass.; \$450
 WESLEYAN UNIVERSITY, Middletown, Conn.;
 \$2,367
 WESTERN RESERVE UNIVERSITY, Cleveland,
 Ohio; \$9,391
 WEST VIRGINIA UNIVERSITY, Morgantown,
 W. Va.; \$1,792
 WHITMAN COLLEGE, Walla Walla, Wash.;
 \$380
 WHITWORTH COLLEGE, Spokane, Wash.;
 \$510
 UNIVERSITY OF WICHITA, Wichita, Kans.;
 \$833
 COLLEGE OF WILLIAM AND MARY, Williams-
 burg, Va.; \$750
 WILLIAM MARSH RICE UNIVERSITY, Houston,
 Tex.; \$3,417
 WILLIAMS COLLEGE, Williamstown, Mass.;
 \$185
 WILSON COLLEGE, Chambersburg, Pa.; \$335
 UNIVERSITY OF WISCONSIN, Madison; \$37,500
 WORCESTER POLYTECHNIC INSTITUTE,
 Worcester, Mass.; \$105
 UNIVERSITY OF WYOMING, Laramie; \$580
 YALE UNIVERSITY, New Haven, Conn.;
 \$26,432
 YESHIVA UNIVERSITY, N.Y., N.Y.; \$4,350

INTERNATIONAL SCIENCE AND INTERNA- TIONAL SCIENCE EDUCATION

AFRICAN-AMERICAN INSTITUTE, N.Y., N.Y.;
 Loyd V. Steere; *Travel of Foreign Partic-
 ipants in Summer Institutes, 1961*; 5
 months; \$14,000
 AHRENKIEL RICHARD K.; *NATO Advanced
 Study Institute*; \$640
 AMERICAN INSTITUTE OF BIOLOGICAL SCI-
 ENCES, Washington, D.C.; Arnold B. Grob-
 man; *Support of Foreign Scientists to Par-
 ticipate in BSCS Writing Conference*; 1
 year; \$16,475
 ASIA FOUNDATION, San Francisco, Calif.;
 Glen Bowersox; *Travel of Foreign Partic-
 ipants in Summer Institutes, 1961*; 5
 months; \$10,000
 BARRY, JEREMIAH H.; *NATO Advanced
 Study Institute*; \$575
 BEECHER, HENRY K.; *NATO Advanced
 Study Institute*; \$580
 BROWN, FIELDING; *NATO Advanced Study
 Institute*; \$625
 UNIVERSITY OF BUENOS AIRES, Argentina;
 Juan Jose Giambiagi; *U.S. Participants at
 the Latin American School of Physics,
 1961*; 6 months; \$6,200
 CHEW, GEOFFREY F.; *NATO Advanced
 Study Institute*; \$175
 CICCETTI, JOHN B.; *NATO Advanced Study
 Institute*; \$280
 DIETZ, FRANK T., *NATO Advanced Study
 Institute*; \$490

- EDUCATIONAL SERVICES, INC., Watertown, Mass.; Jerrold R. Zacharias; *Activities of the Physical Science Study Committee Relating to the Use or Adaptation of PSSO Materials by Foreign Governments or Foreign Educational Institutions*; 1 year; \$8,880
- ELLIS, WADE; *Study of Teacher-Training in Mathematics in Peru*; 3 months; \$1,150
- ENGINEERS JOINT COUNCIL, New York, N.Y.; H. K. Justice; *U.S. Mission to the UPADI Pan American Congress on Engineering Education*; 1 year; \$900
- ESHELMAN, VON R.; *NATO Advanced Study Institute*; 10 days; \$825
- FERNELIUS, NILS C.; *NATO Advanced Study Institute*; \$640
- GALLOP, PAUL M.; *NATO Advanced Study Institute*; \$465
- GARTH, JOHN CAMPBELL; *NATO Advanced Study Institute*; \$640
- GERARD, RALPH W.; *A Survey of Some Aspects of Bio-medical Research in India*; 2 months; \$1,200
- GOVE, NORWOOD B.; *NATO Advanced Study Institute*; \$335
- GREENBERG, J. MAYO; *NATO Advanced Study Institute*; \$100
- HANNAY, NORMAN BRUCE; *NATO Advanced Study Institute*; \$485
- HARRIS, ROBERT A.; *NATO Advanced Study Institute*; \$520
- HARVARD UNIVERSITY, Cambridge, Mass.; Victor Guillemin; *Academic Year Institute for High School and College Teachers of Science and Mathematics*; 9 months; \$6,260
- HETZER, HERBERT O.; *NATO Advanced Study Institute*; \$500
- HILL, ROBERT NYDEN; *NATO Advanced Study Institute*; \$600
- HOHNBERG, PIERRE C.; *NATO Advanced Study Institute*; \$590
- INSTITUTE OF INTERNATIONAL EDUCATION, N.Y., N.Y.; Cassie Anderson; *Travel of Foreign Participants in Summer Institutes, 1961*; 5 months; \$3,800
- INTER-AMERICAN CONFERENCE ON MATHEMATICAL EDUCATION, Chicago, Ill.; Marshall H. Stone; *Inter-American Conference on Mathematical Education*; 18 months; \$8,000
- INTERNATIONAL UNION OF PHYSIOLOGICAL SCIENCES, Rochester, N.Y.; Wallace O. Fenn; *International Traveling Lecture Team in Physiology*; 2 years; \$4,300
- JOHNSON, FRANCIS S.; *NATO Advanced Study Institute*; 8 weeks; \$325
- LASTER, HOWARD; *NATO Advanced Study Institute*; \$625
- MENGBERT, PETER; *NATO Advanced Study Institute*; \$100
- MORAN, PAUL R.; *NATO Advanced Study Institute*; \$575
- MUSHER, JEREMY I.; *NATO Advanced Study Institute*; \$525
- NATIONAL ACADEMY OF SCIENCES—NATIONAL RESEARCH COUNCIL, Washington, D.C.; Wallace W. Atwood, Jr.; *Academician A. P. Topchiev, Vice President of the Academy of Sciences of the U.S.S.R. and Party on A Visit to the United States*; 6 months; \$4,350
- W. W. Atwood, Jr.; *Emergency Financial Support to the Bureau of ICSU*; 1 year; \$40,000
- W. W. Atwood, Jr.; *Emergency Support to the International Union of Pure and Applied Chemistry (IUPAC)*; 1 year; \$20,000
- M. H. Trytten; *Travel Support of IAEA Fellows, 1960*; 1 year; \$1,400
- M. H. Trytten; *11th Meeting of Nobel Laureates at Lindau*; 1 month; \$1,750
- NATIONAL SCIENCE TEACHERS ASSOCIATION, Washington, D.C.; Robert H. Carleton; *Cooperative Program Between the National Science Teachers Association and the British Science Masters' Association*; 3 months; \$2,500
- NEUMANN, GERHARD; *NATO Advanced Study Institute on Oceanography*; \$450
- PAN AMERICAN UNION, Washington, D.C.; Theodore R. Crevenna; *A Teaching Seminar in the Method of Establishing Chronological Sequences of Pre-Columbian Cultures in the Americas*; 1 year; \$3,850
- Jesse D. Perkinson, Jr.; *Program of Inter-American Cooperation in Science Education*; 6 months; \$11,400
- Pines, David; *NATO Advanced Study Institute*; \$550
- Pipberger, Hubert; *NATO Advanced Study Institute*; \$630
- Rabun, Edwin D.; *NATO Advanced Study Institute*; \$520
- Reis, Charles S.; *NATO Advanced Study Institute on Underwater Acoustics*; \$775
- Roberg, Jane; *NATO Advanced Study Institute*; \$635
- Salzman, George; *NATO Advanced Study Institute*; \$625
- Scalapino, Douglas James; *NATO Advanced Study Institute*; \$650
- SCANDINAVIAN COUNCIL FOR APPLIED RESEARCH, Blindern, Norway; Elin Tornudd; *United States Participation in the Second Year of the Growing Points Program in the Scandinavian Countries*; 1 year; \$4,600
- Shapley, Harlow; *Survey of Work in Progress in the Fields of Astronomy in India*; 3 months; \$6,075
- Smith, David Y.; *NATO Advanced Study Institute*; \$585
- Smith, Sister Marian Jose; *NATO Advanced Study Institute*; \$585
- Springer, George; *Trial in Brazil of Modern Methods in the Teaching of Mathematics*; 6 months; \$5,475
- Squire, David Roland; *NATO Advanced Study Institute*; \$600
- Stahmann, Mark A.; *NATO Advanced Study Institute*; \$550
- Stroke, H. Henry; *NATO Advanced Study Institute in Nuclear Physics*; \$600
- Suhl, Harry; *NATO Advanced Study Institute*; \$665
- U.S.—SOUTH AFRICA LEADER EXCHANGE PROGRAM, Inc., Philadelphia, Pa.; Frank S. Loescher; *Travel of Foreign Participants in Summer Institutes, 1961*; 5 months; \$4,355
- VERONIS GEORGE; *NATO Advanced Study Institute on Oceanography*; \$450
- WALLACE, A. D.; *Preparing a Report on Mathematical Activity in Czechoslovakia, Hungary, Poland, and Yugoslavia*; 5 months; \$200

WARNER, HOMER R.; *NATO Advanced Study Institute*; \$820

WEBER, JOSEPH; *NATO Advanced Study Institute*; \$500

WORTIS, MICHAEL; *NATO Advanced Study Institute*; \$455

ZIPOY, DAVID M.; *NATO Advanced Study Institute*; \$290

SPECIAL RESEARCH AND DEVELOPMENT STUDIES

U.S. DEPARTMENT OF COMMERCE, BUREAU OF THE CENSUS, Washington, D.C.; Robert W. Burgess; *Census-Internal Revenue Service Link Project*; \$15,000

Max B. Conklin; *Survey of Research and Development Costs of Industry-Oriented Organizations During 1959*; \$7,797

Max B. Conklin; *Survey of Research and Development Costs of Industry-Oriented Organizations During 1960*; \$95,000

U.S. DEPARTMENT OF LABOR, COMMISSIONER OF LABOR STATISTICS, Washington, D.C.; Ewan Clague; *Cost Index Applicable to Research and Development Budgets*; 1 year; \$16,200

INTERNATIONAL GEOPHYSICAL YEAR

GLENN L. MARTIN Co., RIAS Div., Baltimore, Md.; Phillip Schwed; *Determination of the Flux of Heavy Primary Cosmic Ray Nuclei*; \$17,195

DOCUMENTATION RESEARCH

AMERICAN PSYCHOLOGICAL ASSOCIATION, Washington, D.C.; John G. Darley; *Coordinated Study of Information Exchange in Psychology*; 2 years; \$167,760

UNIVERSITY OF CALIFORNIA, Berkeley; Sydney M. Lamb and Mary R. Haas; *Support of Research on the Machine Translation of Technical Literature with Special Reference to Russian and Chinese*; 18 months; \$208,000

CASE INSTITUTE OF TECHNOLOGY, Cleveland, Ohio; Russell L. Ackoff; *Research on Measurement of Value of Recorded Scientific Information*; 1 month; \$1,920

HARVARD UNIVERSITY, Cambridge, Mass.; Anthony G. Oettinger; *Automatic Translation and Mathematical Linguistics*; 1 year; \$150,000

MASSACHUSETTS INSTITUTE OF TECHNOLOGY, Cambridge, Mass.; Victor H. Yngve; *Basic Research on Methods of Translating Languages by Machine*; 1 year; \$150,000

NATIONAL ACADEMY OF SCIENCES-NATIONAL RESEARCH COUNCIL, Washington, D.C.; Clem O. Miller; *Chemical Notation Systems Project*; 1 year; \$56,000

NATIONAL BUREAU OF STANDARDS, U.S. DEPARTMENT OF COMMERCE, Washington, D.C.; Samuel N. Alexander; *Research Information Center and Advisory Service on Information Processing*; 1 year; \$50,000

Robert D. Elbourne; *Research in Picture Processing Operations*; 2 months; \$15,000

OHIO STATE UNIVERSITY RESEARCH FOUNDATION, Columbus; William S-Y Wang; *Research on Syntactic Analysis*; 1 year; \$14,700

UNIVERSITY OF PENNSYLVANIA, Philadelphia; Zellig S. Harris; *Linguistic Transformations for Information Retrieval*; 1 year; \$180,400

READING CHEMISTS' CLUB, West Reading, Pa.; William J. Wiswesser; *A Study of the Line-Formula Notation*; 2 years; \$11,000

WAYNE STATE UNIVERSITY, Detroit, Mich.; Harry H. Josselson; *Standardization of Format for Russian-to-English Automatic Dictionaries*; \$4,500

WESTERN RESERVE UNIVERSITY, Cleveland, Ohio; Allen Kent; *Test Program for Evaluating Procedures for the Exploitation of Literature of Interest to Metallurgists*; 6 months; \$100,800

Allen Kent; *Test Program for Evaluating Procedures for the Exploitation of Literature of Interest to Metallurgists*; 1 year; \$200,148

FOREIGN SCIENCE INFORMATION

ACTA METALLURGICA, Schenectady, N.Y.; John H. Hollomon; *Translation and Publication of the 1960 Issues of the Russian Journals, The Physics of Metals and Metallurgy, and Abstracts-Metallurgy, Part A*; 1 year; \$58,287

John H. Hollomon; *Translation and Publication of the 1960 Issues of Two Russian Journals: Metallurg and M/Tom*; 1 year; \$34,507

AMERICAN CERAMIC SOCIETY, INC., Columbus, Ohio; Charles S. Pearce; *Translation and Publication of the 1961 and 1962 Issues of the Russian Journal, Steklo i Keramika (Glass and Ceramics)*; 2 years; \$8,500

AMERICAN CHEMICAL SOCIETY, Washington, D.C.; Richard H. Belknap; *A Survey to Determine Need for English Translations of Russian Scientific Journals*; 1 year; \$4,955

AMERICAN GEOGRAPHICAL SOCIETY, New York, N.Y.; Charles B. Hitchcock; *Translation and Publication of Soviet Geography*; 1 year; \$23,480

AMERICAN GEOPHYSICAL UNION, Washington, D.C.; Waldo E. Smith; *1960 Issues, Bulletin of the Academy of Sciences, USSR; Geophysics Series*; 1 year; \$57,730

Waldo E. Smith; *Translation and Publication of the 1961 Issues of Izvestiya, Geophysics Series*; 1 year; \$55,790

Waldo E. Smith; *Translation and Publication of the 1960 Volume of the Russian Journal, Geodesy and Cartography*; 1 year; \$24,335

AMERICAN INSTITUTE OF BIOLOGICAL SCIENCES, Washington, D.C.; Francis C. Harwood; *Translation and Publication of the 1960 Issues of the Russian Journal, Soviet Soil Science*; 1 year; \$56,566

Francis C. Harwood; *Translation and Publication of the 1960 Issues of the Russian Journal, Doklady—Biochemistry Section*; 1 year; \$18,888

Francis C. Harwood; *Translation and Publication of the 1960 Issues of the Russian Journal, Entomological Review*; 1 year; \$34,961

Francis C. Harwood; *Translation and Publication of the 1960 Issues of Four Russian Journals: Doklady-Biological Sciences, Doklady-Botanical Sciences, Microbiology, and Plant Physiology*; 1 year; \$112,447

Francis C. Harwood; *Wintering of Plants*; 1 year; \$10,350

- AMERICAN INSTITUTE OF CHEMICAL ENGINEERS, New York, N.Y.; F. J. Van Antwerpen; *Translation and Publication of an International Chemical Engineering Quarterly Journal*; 1 year; \$83,870
- AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS, New York, N.Y.; N. S. Hibshman; *Translation and Publication of the First Three 1961 Issues of Three Russian Journals: Radio Engineering, Radio Engineering and Electronics, and Telecommunications*; 3 months; \$28,750
- AMERICAN INSTITUTE OF PHYSICS, New York, N.Y.; Wallace Waterfall; *Translation and publication of the Russian Journal, Crystallography (1960)*; 1 year; \$12,950
- Wallace Waterfall; *Translation and Publication of the Russian Journal, Progress of Physical Sciences, 1960 Issues*, 1 year; \$31,500
- Wallace Waterfall; *1960 Issues of the Russian Journal, Solid State Physics*; 1 year; \$44,600
- Wallace Waterfall; *1960 Issues of the Russian Journal, Astronomy*; 1 year; \$26,800
- AMERICAN MATHEMATICAL SOCIETY, Providence, R.I.; Gordon L. Walker; *Survey of Contemporary Chinese Mathematical Research to Study Translation Needs and the Preparation of Reviews of Chinese Mathematical Articles*; 1 year; \$10,150
- Gordon L. Walker; *Translation of Mathematical Research Articles from the Russian, and Other Languages*; 1 year; \$42,953
- Gordon L. Walker; *Translation of a Russian Mathematics Book, Generalized Analytic Functions*; 1 year; \$8,305
- Gordon L. Walker; *Translation of a Russian Mathematics Book, Linear Representations of the Lorentz Group*, 18 months; \$4,973
- Gordon L. Walker; *Translation of the Russian Book—Mathematics: Its Content, Methods and Meaning*; 18 months; \$16,687
- Gordon L. Walker; *Translation and Publication of the Russian Journal, Soviet Mathematics-Doklady*; 1 year; \$22,635
- AMERICAN SOCIETY OF MECHANICAL ENGINEERS, New York, N.Y.; Jos. Sansone; *1959 Volume of The Russian Journal, Friction and Wear in Machinery (Serial)*; 1 year; \$6,600
- Jos. Sansone; *Translation and Publication of the Latest Edition of the Russian Book, Theory of Special Kinds of Castings*; 1 year; \$6,325
- Jos. Sansone; *Translation and Publication of Volumes 11 and 14 of the Russian Serial, Friction and Wear in Machinery*; 1 year; \$12,500
- S. A. Tucker; *Translation and Publication of the 1961 Issues, Volume 25, of the Russian Journal of Applied Mathematics and Mechanics*; 1 year; \$37,400
- BIOLOGICAL ABSTRACTS, UNIVERSITY OF PENNSYLVANIA, Philadelphia; Allen J. Sproy; *Translation of Soviet Biological Literature*; 3 years; \$55,705
- CARNEGIE INSTITUTE OF TECHNOLOGY, Pittsburgh, Pa.; Herbert A. Simon; *Translation of Dr. De Groot's Book, Research on Cognitive Processes*; 1 year; \$3,910
- COLUMBIA UNIVERSITY, New York, N.Y.; Charles H. Behre; *Review and Translation of Articles Published in Russian, Geology of Ore Deposits, beginning with the 1959 Issues*; 3 years; \$2,530
- Vladimer Slamecka; *Study of the Resources of Scientific Information in Czechoslovakia and the German Democratic Republic*; 1 year; \$17,411
- EARTHQUAKE ENGINEERING RESEARCH INSTITUTE, Pasadena, Calif.; George W. Housner; *Translation of the Russian Book, Construction in Seismic Regions, and Partial Translation of the Russian Book, Norms and Regulation in Seismic Regions*; 6 months; \$1,080
- GEOCHEMICAL SOCIETY, Washington, D.C.; Earl Ingerson; *An English Edition of the 1957 Issues of the Russian Journal, Geochemistry*; 1 year; \$3,400.
- Earl Ingerson; *Translation and Publication of the 1960 Issues of Russian Journal, Geochemistry*; 1 year; \$15,000
- INSTRUMENT SOCIETY OF AMERICA, Pittsburgh, Pa.; William H. Kushnick; *The 1960 Issues of Four Russian Journals—Automation and Remote Control, Measurement Techniques, Instruments and Experimental Techniques, and Industrial Laboratory*; 1 year; \$120,220
- JAPAN DOCUMENTATION SOCIETY, Tokyo; Haruo Ootuka; *Revision and Updating of the Kerr Report "Science Information Services in Japan"*; 7 weeks; \$500
- LIBRARY OF CONGRESS, Washington, D.C.; Henry J. Dubester; *Publication of Part I of a monthly World List of Future International Meetings*; 1 year; \$18,500
- Henry Dubester; *Preparation and Publication of a Guide to International Information Facilities in Science, Technology, Medicine, and Agriculture*; 1 year; \$2,033
- Charles M. Gottschalk; *Preparation and Publication of World-Wide Scientific Serials*; 1 year; \$19,891
- Rudolph Smits and Robert R. Holmes; *Publication of the Monthly Index of Russian Accessions and the East European Accessions Index*; 1 year; \$66,000
- John Sherrod; *Source File of Soviet Science*; 3 months; \$4,815
- MASSACHUSETTS INSTITUTE OF TECHNOLOGY, Cambridge; William N. Locke; *Translation and Publication of the 1960 Issues of Three Russian Journals—Radio Engineering, Radio Engineering and Electronics, and Telecommunications*; 1 year; \$71,875
- William N. Locke, *2nd Conference of Translation Editors*; 2 days; \$2,250
- MIDWEST INTER-LIBRARY CENTER, Chicago, Ill.; Gordon R. Williams; *Support of Travel to Russia to Arrange for the Acquisition of Russian Doctoral Dissertations*; 3 weeks; \$285
- Gordon R. Williams; *Operation of the Scientific Journals Center*; 1 year; \$18,147
- NATIONAL ACADEMY OF SCIENCES-NATIONAL RESEARCH COUNCIL, Washington, D.C.; B. L. Kropp; *A Descriptive Area Scientific Research and Information Study in Indonesia and A Survey of the Accumulation and Dissemination of Scientific Information in Vietnam*; 1 year; \$2,330
- Robert C. Stephenson; *Publication of an International Geology Review*; 1 year; \$22,438
- Robert C. Stephenson; *Translation and Publication of the Doklady Geology Series—1959 Volume Year*; 1 year; \$6,555

Robert C. Stephenson; *Translation and Publication of Doklady Geology Series—1960 Volume Year*; 1 year; \$37,285

Robert C. Stephenson; *Translation and Publication of the International Geology Review, Vol. 3, 1961, and Soviet Geology*; 1 year; \$71,690

Robert C. Stephenson; *Translation and Publication of the 1960 Issues of the Russian Bulletin, Izvestiya—Geology Series, U.S.S.R. Academy of Sciences*; 1 year; \$40,778

UNIVERSITY OF NORTH CAROLINA, Chapel Hill; John W. Cell, Raleigh; *Translation of L. A. Galin's Book—Contact Problems of the Theory of Elasticity (Moscow 1953)*; 1 year; \$1,840

OPTICAL SOCIETY OF AMERICA, Washington, D.C.; Mary E. Warga; *Translation and Publication of the 1961 Issues of the Russian Journal—Optika I Spektroskopija (Optics and Spectroscopy)*; 1 year; \$50,000
PAN AMERICAN UNION, Washington, D.C.; Jesse D. Perkinson, Jr.; *Publication of a Report Covering a Study of the Activities and Programs of Latin American Bibliographic and Documentation Centers*; 6 months; \$1,000

Jesse D. Perkinson, Jr.; *Comprehensive Study of the Status of the Publication of Scientific and Technical Journals in Latin America*; 1 year; \$22,500

PRINCETON UNIVERSITY, Princeton, N.J.; John Turkevich; *Preparation of a Guide to Soviet Sciences*; 1 year; \$24,587

SOCIAL SCIENCE RESEARCH COUNCIL, N.Y., N.Y.; Bryce Wood; *SSRC-OTS Translation Distribution Project*; 1 year; \$7,910

SOCIETY FOR INDUSTRIAL AND APPLIED MATHEMATICS, Philadelphia, Pa.; I. E. Block; *1960 Issues of the Russian Journal, Theory of Probability and Its Applications*; 1 year; \$10,712

I. E. Block; *Translation and Publication of the Muskhelishvili Anniversary Volume*; 1 year; \$23,874

SPECIAL LIBRARIES ASSOCIATION, N.Y., N.Y.; Ildiko D. Nowak; *Collateral Support for the Operation of the Translations Center*; 1 year; \$30,500

STANFORD UNIVERSITY PRESS, Stanford, Calif.; Leon E. Seltzer; *Translation of Dr. Krasovskii's Book, Certain Problems in the Theory of Stability of Motion, Moscow 1959*; 1 year; \$3,450

Leon E. Seltzer; *Translation of the Book, Asymptotic Methods in the Theory of Non-linear Oscillations (2d Ed., Moscow 1958)*; 1 year; \$4,543

STIFTEVERBAND FÜR DIE DEUTSCHE WISSENSCHAFT, Essen-Bredene, West Germany; F. E. Nord; *Translation and Revision of the Publication, World-Wide Science*; 1 year; \$10,700

U.S. DEPARTMENT OF COMMERCE, OFFICE OF TECHNICAL SERVICES, Washington, D.C.; John C. Green; *Operational Functions of the P.L. 480 Translation Program*; 7 months; \$12,859

John C. Green; *Support of the Translation Center in Delft*; 1 year; \$7,000

U.S. DEPARTMENT OF STATE, OFFICE OF BUDGET, Washington, D.C.; *Employment of*

a Polish National at the Embassy, Warsaw, Poland in support of P.L. 480 Program; \$519

GENERAL SCIENCE INFORMATION GRANTS

ASSOCIATION OF RESEARCH LIBRARIES, Ithaca, N.Y.; Stephen A. McCarthy; *Meeting Expenses of ARL Liaison Committee*; 6 months; \$1,500

JOHNS HOPKINS UNIVERSITY, Baltimore, Md.; Robert H. Roy; *An Operations Research and Systems Engineering Study of a University Library*; 1 year; \$22,311

NATIONAL ACADEMY OF SCIENCES-NATIONAL RESEARCH COUNCIL, Washington, D.C.; Karl F. Heumann; *Office of Documentation*; 1 year; \$97,359

NEW YORK PUBLIC LIBRARY, N.Y.; Robert E. Kingery; *Development of United States Standards in Library Work and Documentation*; 1 year; \$8,470

RESEARCH DATA AND INFORMATION SERVICES

CHEMICAL ABSTRACTS SERVICE, Columbus, Ohio; G. Malcolm Dyson; *Systems Development for Improved Information Services in Chemistry*; 1 year; \$117,600

MUSEUM OF THE AMERICAN INDIAN, New York, N.Y.; Frederick J. Dockstader; *Emergency Preservation of Documentary Research Films on American Indians*; 1 year; \$20,000

OFFICE OF TECHNICAL SERVICES, U.S. DEPARTMENT OF COMMERCE, Washington, D.C., John C. Green; *Establishment and Initial Operation of a System of Twelve Regional Reference Centers*; 1 year; \$22,000

SMITHSONIAN INSTITUTION, Washington, D.C.; Stella L. Deignan; *Proposed Enlargement of Facilities and Increase in Services of the Bio-Sciences Information Exchange*; 1 year; \$105,200

Stella L. Deignan; *Operating Expenses of the Science Information Exchange*; 1 year; \$45,000

Stella L. Deignan; *Enlargement of the Senior Staff of the Science Information Exchange for Planning and Executing the Expanded Activities of the Exchange*; 1 year; \$67,139

SOUTHERN METHODIST UNIVERSITY, Dallas, Tex.; William J. Graff; *A Feasibility Study for a Regional Information Center*; 9 months; \$28,200

SCIENTIFIC PUBLICATIONS

AMERICAN ASTRONOMICAL SOCIETY, Princeton, N.J.; Frank K. Edmondson; *Publication of the Astronomical Journal*; 6 months; \$3,300

AMERICAN INSTITUTE OF BIOLOGICAL SCIENCES, Washington, D.C.; Hiden T. Cox; *Publication of the Proceedings of the First Conference on Brain and Behavior*; 1 year; \$17,350

Hiden T. Cox; *Biological Sciences Communication Project*; 1 year; \$151,200

Francis C. Harwood; *Publication of the Translated Russian Monograph, Monogenetic Trematodes, Their Systematics and Phylogeny*; 1 year; \$5,000

AMERICAN MATHEMATICAL SOCIETY, Providence, R.I.; Gordon L. Walker; *Publication of Mathematical Reviews*; 1 year; \$40,000

Gordon L. Walker; *Preparation of a Cumulative Index to Mathematical Reviews*; 1 year; \$9,000

Gordon L. Walker; *Preparation and Publication of Survey Reviews in Mathematics*; 1 year; \$12,900

Gordon L. Walker; *Reprinting the American Mathematical Society Translations of Russian Mathematical Articles. Series I*; 18 months; \$10,800

AMERICAN MUSEUM OF NATURAL HISTORY, New York, N.Y.; Brooks F. Ellis; *Support of Compilation of a Catalogue of Index Foraminifera*; 2 years; \$30,000

AMERICAN ROCKET SOCIETY, INC., New York, N.Y.; James J. Hartford; *Partial Support for Enlarging the ARS Journal*; 18 months; \$90,000

AMERICAN SOCIETY OF MECHANICAL ENGINEERS, New York, N.Y.; Stephen Juhasz; *Publication of Applied Mechanics Review*; 3 years; \$50,000

AMERICAN SOCIETY OF ZOOLOGISTS, Urbana, Ill.; Emil Witschi; *Establishing the New Journal, American Zoologist*; 2 years; \$5,800

AMERICAN SOCIOLOGICAL ASSOCIATION, New York, N.Y.; Leo P. Chall; *Enlarging the Editorial Office of Sociological Abstracts*; 1 year; \$27,600

ARCTIC INSTITUTE OF NORTH AMERICA, Washington, D.C.; Robert C. Faylor; *Compilation of the Arctic Bibliography*; 1 year; \$25,000

BIOLOGICAL ABSTRACTS, INC., Philadelphia, Pa.; G. Miles Conrad; *Continued Expansion of Coverage of Biological Abstracts and Development of BASIO Index*; 1 year; \$197,000

UNIVERSITY OF CALIFORNIA, Berkeley; Joseph L. Reid, Jr., La Jolla; *Preparation of Data for Oceanic Observations of the Pacific*; 3 years; \$67,800

CAMBRIDGE ENTOMOLOGICAL CLUB, Cambridge, Mass.; Frank M. Carpenter; *Temporary Support of the Journal Psyche*; 2 years; \$2,000

CASE INSTITUTE OF TECHNOLOGY, Cleveland, Ohio; Russell Ackoff; *Operations Research Study of Publication Costs of Scientific Journals*; 6 months; \$11,980

UNIVERSITY OF CHICAGO, Chicago, Ill.; Gerard P. Kuiper; *Publications of the Yerkes Observatory*; 1 year; \$2,000

COUNCIL OF OLD WORLD ARCHAEOLOGY, Boston, Mass.; Donald F. Brown; *COWA Surveys and Bibliographies*; 2 years; \$17,000

FEDERATION OF AMERICAN SOCIETIES FOR EXPERIMENTAL BIOLOGY, Washington, D.C.; Sara F. Leslie; *Partial Support of Publication of the Proceedings of the International Symposium on Cold Acclimation*; 6 months; \$6,500

FEDERATION INTERNATIONALE DE DOCUMENTATION, Paris, France; N. A. J. Voorhoeve; *Partial Support of the Federation Internationale de Documentation*; 2 years; \$14,000

HARVARD UNIVERSITY PRESS, Cambridge, Mass.; Thomas J. Wilson; *Partial Support of Final Preparation and Republication of Collected Experimental Papers by Percy W. Bridgman*; 1 year; \$17,490

INSTITUTE OF AEROSPACE SCIENCES, INC., New York, N.Y.; S. Paul Johnston; *Establishment of International Aero/Space Abstracts*; 1 year; \$83,000

S. Paul Johnston; *Preparation and Publication of an Annual Index to International Aerospace Abstracts*; 1 year; \$39,000

INTERNATIONAL ASSOCIATION OF SCIENTIFIC HYDROLOGY, Gentbrugge, Belgium; L. J. Tison; *Publication of the Hydrology Proceedings of the IUGG, 1960*; 1 year; \$4,250

INTERNATIONAL COUNCIL OF SCIENTIFIC UNIONS, Paris, France; G. A. Boutry; *Continued Partial Support of the International Abstracting Board*; 1 year; \$7,500

JOHNS HOPKINS UNIVERSITY, Baltimore, Md.; G. Herberton Evans, Jr.; *Publishing Economics Library Selections*; 2 years; \$34,000

JOSIAH MACY, JR. FOUNDATION, New York, N.Y.; Frank Fremont-Smith; *Publication of the Transactions of the Third Conference on the Central Nervous System and Behavior*; 1 year; \$20,500

LIBRARY OF CONGRESS, Washington, D.C.; Clement R. Brown; *Preparation of the International Geophysical Year Bibliography*; 1 year; \$37,700

L. Quincey Mumford; *Compilation of a Bibliography of Foreign Abstracting and Indexing Services*; 1 year; \$10,725

UNIVERSITY OF LOUISVILLE, Ky.; Stephen G. Vandenberg; *Publication of Computers in Behavioral Science*; 3 years; \$18,400

METALLURGICAL SOCIETY OF AIME, New York, N.Y.; John Chipman; *Transactions of the Metallurgical Society of AIME*; 1 year; \$20,000

UNIVERSITY OF MICHIGAN, Ann Arbor, Mich.; George E. Hay; *Michigan Mathematical Journal*; 3 years; \$3,000

Lewis E. Wehmeyer; *Publication of a World Monograph of the Genus Pleospora and Its Segregates*; 2 years; \$12,900

MODERN LANGUAGE ASSOCIATION OF AMERICA, New York, N.Y.; Leonard Cohan and Kenneth Craven; *Publication of a Report on Science Information Personnel*; 1 year; \$3,725

NATIONAL ACADEMY OF SCIENCES, NATIONAL RESEARCH COUNCIL, Washington, D.C.; Karl F. Heumann; *Office of Documentation*; 3 months; \$2,800

NATIONAL ACADEMY OF SCIENCES/AMERICAN GEOLOGICAL INSTITUTE, Washington, D.C.; Robert C. Stephenson; *Publication of Geo-Science Abstracts*; 1 year; \$35,750

NATIONAL FEDERATION OF SCIENCE ABSTRACTING AND INDEXING SERVICES, Washington, D.C.; Raymond A. Jensen; *Publication of a Bibliography of U.S. Abstracting and Indexing Services*; 6 months; \$2,200

Raymond A. Jensen; *Partial Support of the Federation Secretariat*; 1 year; \$25,000

NEW YORK BOTANICAL GARDEN, New York City; William C. Steere; *Systematic and Economic Botany*; 16 weeks; \$2,760

H. W. Rickett; *Publication of Part I of a Manual of the Leafy Hepaticae of the West Indies, Mexico, Central and South America by Margaret Fulford*; 1 year; \$4,000

William C. Steere and Sydney Gould; *Preparation of an International Plant In-*

ded by Use of Punched Cards and Data Processing Machines; 2 years; \$178,600

UNIVERSITY OF NORTH CAROLINA, Chapel Hill; David A. Young, Raleigh; *Catalogue of the Homoptera Auchenorrhyncha of the World*; 1 year; \$34,400

PENNSYLVANIA STATE UNIVERSITY, University Park; William Spackman; *Compilation and Publication of Catalog of Fossil Spores and Pollen*; 1 year; \$24,800

SEISMOLOGICAL SOCIETY OF AMERICA, San Francisco, Calif.; Don Tocher; *Alaska Earthquake of 1968*; 1 year; \$3,800

SMITHSONIAN INSTITUTION, Washington, D.C.; Paul H. Oehser; *Preparation and Publication of Supplement to Annotated Bibliography of Termites, 1955-1960*; 1 year; \$4,800

SOCIETY FOR EXPERIMENTAL STRESS ANALYSIS, Minneapolis, Minn.; B. J. Lazan; *Establish a New Journal, Experimental Mechanics*; 3 years; \$45,000

SOCIETY OF AMERICAN BACTERIOLOGISTS, Madison, Wis.; E. M. Foster; *Publication of Backlog Manuscripts in the Journal of Bacteriology*; 1 year; \$34,800

UNIVERSITY OF SOUTHERN CALIFORNIA, Los Angeles; Richard D. Terry; *Preparation of Bibliography of the Geology and Mineral Resources of California, 1937 to 1959*; 6 months; \$2,400

STANFORD UNIVERSITY, Stanford, Calif.; Bernard J. Siegel; *Partial Support of Publication on Biennial Review of Anthropology, 1961*; 1 year; \$3,500

UNIVERSITY OF TEXAS, Austin; G. de Vaucouleurs; *Preparation of a Reference Catalogue of Bright Galaxies*; 1 year; \$2,957

VIRGINIA DEPARTMENT OF HIGHWAYS, Richmond; W. T. Parrott; *Reprinting Proceedings of the Highway Geology Symposium*; 1 year; \$6,100

WASHINGTON STATE UNIVERSITY, Pullman; Robert A. Nilan; *The Cytology and Genetics of Barley*; 1 year; \$5,000

UNIVERSITY OF WASHINGTON PRESS, Seattle; W. M. Read; *Partial Support for Publication of the Biosystematics of American Crows*; 1 year; \$500

UNIVERSITY OF WYOMING, Laramie; O. A. Beath; *Revision of a Book on Selenium*; 2 years; \$8,750

CONFERENCES IN SUPPORT OF SCIENCE

AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, Washington, D.C.; W. George Parks; *Gordon Research Conference on Inorganic Chemistry*; 1 year; \$2,500

Dael Wolfe; *Symposium on the Sciences in Communist China*; 3 months; \$28,803

AMERICAN CERAMIC SOCIETY, INC., Columbus, Ohio; Charles S. Pearce; *VI International Congress on Glass*; 2 years; \$7,500

AMERICAN CHEMICAL SOCIETY, DIVISION OF BIOLOGICAL CHEMISTRY, Philadelphia, Pa.; Leroy Augenstine; *Electronic Rearrangements and Energy Transfer in Biological Systems*; 1 year; \$700

AMERICAN DOCUMENTATION INSTITUTE, Washington, D.C.; Claire K. Schultz; *Support of Symposium on the State of the Art*

of Documentation and Information Retrieval, 8 months; \$10,964

AMERICAN INSTITUTE OF MINING, METALLURGICAL, AND PETROLEUM ENGINEERS, PAOLI, Pa.; William B. Stephenson; *International Symposium on Agglomeration*; 1 year; \$3,100

AMERICAN MATHEMATICAL SOCIETY, PROVIDENCE R.I.; Gordon L. Walker; *Symposium on Mathematical Problems in the Biological Sciences*; 18 months; \$5,800

AMERICAN METEOROLOGICAL SOCIETY, BOSTON, MASS.; Thomas F. Malone; *Conferences on Scientific Aspects of Weather Prediction and Control*; 1 year; \$5,000

AMERICAN ORNITHOLOGIST'S UNION, Ithaca, N.Y.; Charles G. Sibley; *XIII International Ornithological Congress*; 2 years; \$36,100

AMERICAN SOCIETY OF LIMNOLOGY AND OCEANOGRAPHY, INC., ANN ARBOR, Mich.; George H. Lauff; *Support of a Conference entitled "XV International Congress of Limnology"*; 2 years; \$30,000

AMERICAN SOCIETY OF ZOOLOGISTS, IOWA CITY, IOWA; Emil Witschi; *Regional Conferences in Developmental Biology*; 3 years; \$17,300

Emil Witschi; *Five Regional Conferences in Comparative Endocrinology*; 1 year; \$5,750

AMERICAN SOCIOLOGICAL ASSOCIATION, New York, N.Y.; Robert C. Angell; *Fifth World Congress of Sociology*; 2 years; \$25,000

ASSOCIATION OF AMERICAN COLLEGES, WASHINGTON, D.C.; F. L. Wormald; *Advisory Conference Relative to Science Potential of Small Colleges*; 2 days; \$5,462

UNIVERSITY OF CALIFORNIA, Berkeley; Robert M. Oliver and Raymond C. Grassl; *Conference on Mathematical Optimization Techniques*; 1 year; \$3,290

C. D. Shane; *General Assembly of the International Astronomical Union*; 1 year; \$15,000

Keith A. Brueckner, La Jolla; *Conference in Elementary Particle Theory*, 1 year; \$9,200

H. W. Magoun, Los Angeles; *Conference on Brain and Behavior*; 4 days; \$26,400

Robert L. Pecosk, Los Angeles; *Conference on Gas Chromatography*; 1 year; \$700

H. S. Thomson, Santa Barbara; *A Symposium on Problems of Extragalactic Research*; 1 year; \$28,700

CANADIAN MATHEMATICAL CONGRESS, Wolfville, Nova Scotia, Canada; L. F. S. Ritcey, Montreal; *Seminar in Mathematics*; 4 weeks; \$2,000

CARNEGIE INSTITUTION OF WASHINGTON, D.C.; Edward A. Ackerman; *Biologic Innovations and the Geologic Record*; 1 year; \$7,500

CENTER FOR ADVANCED STUDY IN THE BEHAVIORAL SCIENCES, Stanford, Calif.; Jerry Hirsch; *Research Conference on Behavior Genetics*; 1 year; \$11,700

UNIVERSITY OF COLORADO, Boulder; Donald E. Billings; *IAU Symposium on the Solar Corona*; 1 year; \$22,300

DARTMOUTH COLLEGE, Hanover, N.H.; Hazelton Mirkil; *Conference on Function Algebras*; 1 year; \$4,600

- ECONOMETRIC SOCIETY, New Haven, Conn.; Lionel W. McKenzie; *Travel to Meetings of the Econometric Society*; 5 years; \$17,500
- ELECTROCHEMICAL SOCIETY, INC., New York, N.Y.; Robert K. Shannon; *Symposium on Modern Electrochemical Instrumentation*, 1 year; \$6,000
- ELECTRON MICROSCOPE SOCIETY OF AMERICA, Philadelphia, Pa.; Thomas F. Anderson; *Fifth International Congress for Electron Microscopy*; 2 years; \$40,000
- FOUNDATION FOR INSTRUMENTATION EDUCATION AND RESEARCH, INC., N.Y.; Lloyd E. Slater; *Meeting on Impact of Feedback Control Concepts in the Study of Economic and Business Systems*; 1 year; \$4,000
- UNIVERSITY OF GEORGIA, Athens; M. K. Fort, Jr.; *Topology of 3-Manifolds*; 1 year; \$27,500
- GORDON RESEARCH CONFERENCES, INC., Kingston, R.I.; W. George Parks; *Gordon Research Conference on Cell Structure and Metabolism*; 1 year; \$7,000
- W. George Parks; *Gordon Conference on Photonic Reactions*; 1 year; \$6,000
- ILLINOIS INSTITUTE OF TECHNOLOGY, Chicago; Max M. Frocht; *International Symposium on Photoelasticity*; 1 year; \$4,000
- UNIVERSITY OF ILLINOIS, Urbana; Clyde E. Kesler; *Second Conference on Fundamental Research on Plain Concrete*; 1 year; \$10,200
- Samuel Schrage; *Chemistry High School—College Teachers Conference*; 1 day; \$200
- INDIANA UNIVERSITY, Bloomington; Paul Klinge; *Conference for Summer Biology Institute Directors*; 3 days; \$30,300
- INSTITUTE OF RADIO ENGINEERS, INC., New York, N.Y.; Lee B. Lusted; *4th International Conference on Medical Electronics*; 1 week; \$5,000
- KAISER FOUNDATION RESEARCH INSTITUTE, Richmond, Calif.; Clifford H. Keene; *Symposium on Lower Metazoa, Oakland, California*; 4 days; \$18,600
- LONG ISLAND BIOLOGICAL ASSOCIATION, Cold Spring Harbor, N.Y.; Arthur Chovnick; *Cold Spring Harbor Symposium on Quantitative Biology*; 1 year; \$7,000
- MARIA MITCHELL OBSERVATORY, Nantucket, Mass.; Dorrit Hoffleit; *Symposium on Comets*; 3 months; \$4,600
- UNIVERSITY OF MARYLAND, College Park; J. M. Burgers; *Conference on Fluid Dynamics and Applied Mathematics*; 1 year; \$4,000
- MASSACHUSETTS INSTITUTE OF TECHNOLOGY, Cambridge; John E. Burchard; *International Conference on Scientific and Engineering Education*; 1 year; \$50,000
- Thomas T. Sandel; *Research Training Conference in Computer Techniques for Biological Scientists*; 1 year; \$17,900
- John M. Wynne; *Science and the Scientist in International Educational and Cultural Affairs*; 3 days; \$1,800
- MATHEMATICAL ASSOCIATION OF AMERICA, Buffalo, N.Y.; W. H. Meyer, University of Chicago; *Conference of Mathematical Lecturers at 1961 Summer Institutes for High School Teachers*; 3 days; \$22,000
- METALLURGICAL SOCIETY OF AIME, New York, N.Y.; John Chipman; *Symposium on Decomposition of Austenite*; 1 year; \$2,270
- Carleton C. Long; *Direct Observation of Defects in Crystals*; 1 year; \$3,000
- UNIVERSITY OF MINNESOTA, Minneapolis; Warren B. Cheston; *Midwest Conference on Theoretical Physics*; 1 year; \$2,000
- MISSOURI BOTANICAL GARDEN, St. Louis; Robert L. Dressler; *Symposium on the Population Concept in Systematics*; 1 year; \$1,800
- NATIONAL ACADEMY OF SCIENCES-NATIONAL RESEARCH COUNCIL, Washington, D.C.; Frank A. Beach; *Conference on Sex and Behavior*; 2 years; \$26,800
- Frank L. Campbell; *Symposia (1) on Mutations (Fall 1960) and (2) on Statistics (Spring 1961) in Genetics*; 2 years; \$14,200
- Frank L. Campbell; *Current Research on Neurospora*; 3 days; \$18,700
- John S. Coleman; *XI General Assembly of the International Astronomical Union*; 1 year; \$24,400
- Harold J. Coolidge; *Symposium on Biological and Physical Aspects of Light in the Sea*; 1 year; \$9,510
- Glen Finch; *Committee on Non-Human Primate Behavioral Research*; 1 year; \$3,600
- Linn Hoover; *Ninth Annual Conference on Clays and Clay Minerals*; 1 year; \$2,100
- NEW YORK STATE VETERINARY COLLEGE, CORNELL UNIVERSITY, Ithaca, N.Y.; Morley R. Kare; *Physiological and Behavioral Aspects of Taste*; 1 year; \$800
- NORTHWESTERN UNIVERSITY, Evanston, Ill.; M. E. Fine, *International Conference on Chemical Physics of Non-Metallic Crystals*; 1 year; \$7,000
- OHIO STATE UNIVERSITY, Columbus; W. A. Heiskanen; *Geodesy in Space Age*; 1 year; \$1,950
- PENNSYLVANIA STATE UNIVERSITY, University Park; Howard L. Hartman, *Fourth Symposium on Rock Mechanics*; 1 year; \$3,200
- POPULATION ASSOCIATION OF AMERICA, INC., Raleigh, N.C.; C. Horace Hamilton; *International Population Congress*; 7 days; \$20,000
- SCIENCE SERVICE, Washington, D.C.; Watson Davis; *Conference to Consider the Role of Schools of Journalism in the Training of Science Writers*; 2 days; \$11,865
- SOCIETY FOR INDUSTRIAL AND APPLIED MATHEMATICS, Philadelphia, Pa.; F. Joachim Weyl and A. S. Householder; *Symposium on Matrix Computation*; 2 months; \$15,750
- SOCIETY FOR THE STUDY OF DEVELOPMENT AND GROWTH, Waltham, Mass.; Edgar Zwilling; *Support of the Growth Symposia for 1961, 1962, and 1963*; 3 years; \$15,000
- SOCIETY OF AMERICAN FORESTERS, Washington, D.C.; Tom Gill; *Partial Support of the Fifth World Forestry Congress, Seattle, Washington*; 12 days; \$10,000
- SOCIETY OF ECONOMIC PALEONTOLOGISTS AND MINERALOGISTS, Iowa City, Iowa; William M. Furnish; *Record of Patterns of Water Movement in Recent and Ancient Sediments*; 1 year; \$850
- SOCIETY OF GENERAL PHYSIOLOGISTS, Bethesda, Md.; Douglas G. Humm; *University of North Carolina; Regional Symposium in Invertebrate Physiology*; 1 year \$1,000

SOUTH DAKOTA SCHOOL OF MINES AND TECHNOLOGY, Rapid City; F. L. Partlo; *Conference on a Program for Atmospheric Research in the Black Hills Region*; 1 year; \$3,000

UNIVERSITY OF SOUTHAMPTON, Southampton, England; Byron Thwaites; *The Southampton Mathematical Conference*; 10 days; \$500

UNIVERSITY OF SOUTHERN CALIFORNIA, Los Angeles; Gerhard L. Weissler; *International Conference on Vacuum Ultraviolet Radiation Physics*; 18 months; \$30,700

STANFORD RESEARCH INSTITUTE, Menlo Park, Calif.; Richard D. Cradle; *Symposium on Chemical Reactions in the Lower and Upper Atmosphere*; 2 days; \$3,000

SWARTHMORE COLLEGE, Swarthmore, Pa.; Peter van de Kamp; *Symposium on Visual Double Stars*; 1 year; \$15,400

SYRACUSE UNIVERSITY RESEARCH INSTITUTE, N.Y.; Wilber R. LePage; *International Conference on Electrical Engineering Education*; 1 year; \$32,900

UNIVERSITY OF TENNESSEE, Knoxville; R. L. Murphree; *Fifth Biennial Symposium on Animal Reproduction*; 1 week; \$2,400

TERATOLOGY SOCIETY, Cincinnati, Ohio; Josef Warkany; *Symposium on Chromosomes and Congenital Malformations*; 1 year; \$3,500

UNIVERSITY OF TEXAS, Austin; Saul Kit, Houston; *Symposium: Structure, Conformation, and Function of Nucleic Acids and Proteins*; 1 year; \$8,000

DeWitt C. Reddick; *A Conference on Mass Communications and Understanding of Science*; 1 year; \$12,990

TULANE UNIVERSITY, New Orleans, La.; F. B. Wright; *Symposium on Ergodic Theory*; 1 year; \$28,750

U.S. DEPARTMENT OF THE INTERIOR, Washington, D.C.; A. L. Miller; *Desalination Research Study*; 1 year; \$29,600

WASHINGTON UNIVERSITY, St. Louis, Mo.; Herman N. Elsen; *Continuing Workshop on Antibody Synthesis and Characterization*; 2 years; \$19,000

UNIVERSITY OF WISCONSIN, Madison; Robert A. Alberty; *Experimental Techniques for Studying Very Fast Reactions in Solution*; 1 year; \$7,000

Lewis M. Chne; *Symposium on Oceanography in the Midwest*; 6 months; \$1,100

WORCESTER POLYTECHNIC INSTITUTE, Worcester, Mass.; Arthur B. Bronwell; *Conference on Research Goals*; \$350

YALE UNIVERSITY, New Haven, Conn.; F. R. E. Crossley; *Institute on Mechanism Theory*; 4 days; \$13,545

ATTENDANCE AT INTERNATIONAL MEETINGS

African Ecology and Human Evolution, Burg Wartenstein, Austria; September 2 to September 12, 1961:

Wenner-Gren Foundation for Anthropological Research; \$3,500

1961 Anniversary Meeting of the Chemical Society of London, Liverpool, England; April 11 to April 14, 1961:

Anton B. Burg; University of Southern California; \$700

John R. Johnson; Cornell University; \$500

Berufsverband Deutscher Psychologen Congress, Hamburg, Germany; August 10 to August 21, 1961:

Gordon W. Allport; Harvard University; \$550

Ceramics and Man, Burg Wartenstein, Austria; September 2 to September 12, 1961:

Wenner-Gren Foundation for Anthropological Research; \$2,300

Conference on Functional Analysis, Warsaw, Poland, September 4 to September 10, 1960:

Alberto P. Calderon; University of Chicago; \$750

Conference on Heat and Mass Transfer with Phase and Chemical Conversions, Minsk, U.S.S.R.; January 23 to January 28, 1961:

Ernst R. Eckert; University of Minnesota; \$851

Conference on Physics of Polymers, Bristol, England; January 10 to January 12, 1961:

Richard S. Stein; University of Massachusetts; \$375

Robert Ullman; Polytechnic Institute of Brooklyn; \$350

Conferences Regarding the Business Arrangements for the Mineralogical Abstracts Journal:

Marjorie Hooker; U.S. Department of the Interior; \$390

Conferences with Publishers of Zentralblatt für Mathematik and the Library of the Academy of Sciences of the U.S.S.R., held in Berlin, Germany and Leningrad, U.S.S.R., from October 5 to October 25, 1960:

Gordon L. Walker; American Mathematical Society; \$1,400

COSPAR Meeting, Florence, Italy; April 7 to April 18, 1961:

Kinsey A. Anderson; \$950

Sidney A. Bowhill; Pennsylvania State University; \$1,000

John C. Brandt; California Institute of Technology; \$1,000

Hilde Kallmann-Bijl; University of California; \$1,275

Ernest Harry Vestline; RAND Corporation; \$1,275

Delegation to Automatic Control Research Centers, Tokyo, Japan; May 9 to May 30, 1961:

Gilbert H. Fett; University of Illinois; \$1,030

Otto J. M. Smith; University of California; \$780

Travel to Meetings of the Econometric Society:

Econometric Society; New Haven, Conn.; \$15,000

To Deliver a Series of Lectures in Poland, Switzerland and France; Summer 1961:

Stefan Bergman; Stanford University; \$950

Earth Tides Symposium, Brussels, Belgium; June 5 to June 10, 1961:

Walter D. Lambert; Ohio State University; \$275

Editorial Committee of the Tenth International Botanical Congress, Brussels, Belgium, November 3 to November 9, 1960 :

Reed C. Rollins; Harvard University; \$1,600

Enzyme Commission of the International Union of Biochemistry, Marseilles, France; March 22 to March 29, 1961 :

Albert L. Lehninger; Johns Hopkins University; \$500

Enzyme Commission of the International Union of Biochemistry, Marseilles, France; March 22 to March 29, 1961, and Drafting Sub-Commission, Torremolinos, Spain; January, 1962 :

Sidney P. Colowick; Vanderbilt University; \$1,000

European Committee for Concrete, Monaco; January 12 to January 19, 1961 :

Chester P. Sless; University of Illinois; \$792

European Conference of Chemical Engineers, Toulouse, France; September 28 to September 29, 1961 :

Barnett F. Dodge; Yale University; \$590

European Congress of Chemical Engineering, Frankfurt am Main, Germany; June 9 to June 17, 1961 :

Karl Kammermeyer; State University of Iowa; \$760

The Faraday Society Discussions on "The Physical Chemistry of Aerosols", Bristol, England, September 13 to September 16, 1960 :

Stuart W. Churchill; University of Michigan; \$500

Faraday Society Discussion on the Structure of Ionic Melts, Liverpool, England; September 5 to September 7, 1961 :

Benson Ross Sundheim; New York University; \$525

Fifth European Congress on Molecular Spectroscopy, Amsterdam, The Netherlands; May 29 to June 3, 1961 :

David A. Dows; University of Southern California; \$750

Velmer A. Fassel; Iowa State University; \$600

George K. Fraenkel; Columbia University; \$525

Donald F. Hornig; Princeton University; \$525

James R. Lawson; Fisk University; \$440

Fifth International Conference on Ionization Phenomena in Gases, Munich, Germany; August 28 to September 1, 1961 :

Benjamin Bederson; New York University; \$600

Fifth International Conference on Semiconductors; Prague, Czechoslovakia, August 29 to September 2, 1960 :

John Bardeen; University of Illinois; \$650

Fifth International Symposium on Free Radicals, Uppsala, Sweden; July 6 to July 7, 1961 :

B. deB. Darwent; Catholic University of America; \$650

Eugene R. Hardwick; University of California; \$750

Henry A. McGee, Jr.; Georgia Institute of Technology; \$800

Dolphus E. Milligan; Mellon Institute; \$650

Fausto Ramirez; State University of New York; \$625

F. O. Rice; Georgetown University; \$650

Robert L. Strong; Rensselaer Polytechnic Institute; \$650

Fifth Scientific Pharmaceutical Congress, Poznan, Poland, September 22 to September 24, 1960 :

Charles H. Becker; University of Florida; \$1,085

First International Conference of Protozoologists, Prague, Czechoslovakia; August 22 to August 30, 1961 :

Society of Protozoologists; \$21,350

First International Conference on the Mechanics of the Soil-Vehicle Systems, Torino, Italy; June 5 to June 9, 1961 :

Edward T. Vincent; University of Michigan; \$750

First International Congress on Metallic Corrosion, London, England; April 10 to April 15, 1961 :

Mars G. Fontana; Ohio State University; \$540

Norbert D. Greene; Rensselaer Polytechnic Institute; \$500

Norman Hackerman; University of Texas; \$750

Harold W. Paxton; Carnegie Institute of Technology; \$560

Fifth International Conference on Soil Mechanics and Foundation Engineering, Paris, France; July 17 to July 22, 1961 :

Boris S. Brownin; Ohio State University; \$570

Ronald C. Hirschfeld; Harvard University; \$550

Herbert Orin Ireland; University of Illinois; \$600

Charles C. Ladd; Massachusetts Institute of Technology; \$550

14th Congress of the International Scientific Film Association, Prague, Czechoslovakia; September 14 to October 2, 1960 :

Robert Eugene Green; National Academy of Sciences—National Research Council; \$976

R. M. Whaley; Wayne State University; \$1,019

XIVth General Assembly of the International Union of Biological Sciences, Amsterdam; July 12 to July 15, 1961 :

National Academy of Sciences—National Research Council; \$4,600

Fourth Annual Soviet Union Mathematical Congress, Leningrad, U.S.S.R.; July 3 to July 13, 1961 :

Lars V. Ahlfors; Harvard University; \$1,100

Lipman Bers; New York University; \$1,100

Jerzy Neyman; Stanford University; \$1,300

IVth International Congress of the International Union for the Study of Social Insects, Pavia, Italy; September 9 to September 14, 1961, and Symposium of the Entomological Society of London, London, England; September 21 to September 22, 1961 :

Charles D. Michener; University of Kansas; \$1,200

IVth International Congress of the International Union for the Study of Social Insects, Pavia, Italy; September 9 to September 14, 1961:

Arthur C. Cole, Jr.; University of Tennessee; \$1,030
Paul B. Kannonowski; University of North Dakota; \$770
Kumar Krishna; University of Chicago; \$1,040

IVth International Congress of the International Union for the Study of Social Insects, Pavia, Italy; September 9 to September 14, 1961; and XVIII International Beekeeping Congress, Madrid, Spain; September 23 to September 24, 1961:

Roger A. Morse; Cornell University; \$1,110

Fourth International Congress on Animal Reproduction, The Hague, Netherlands; June 5 to June 9, 1961:

John O. Almquist; Pennsylvania State University; \$960
Philip J. Dziuk; University of Illinois; \$700
Robert M. Melampy; Iowa State University; \$645
G. W. Salisbury; University of Illinois; \$700
Alvin C. Warnick; University of Florida; \$640

Fourth International Seaweed Symposium, Biarritz, France; September 18 to September 25, 1961:

Harold J. Humm; Duke University; \$650
Robert T. Wilce; University of Massachusetts; \$650

Fourth Plansee Seminar, Reutte, Tyrol, Austria; June 20 to June 24, 1961:

George C. Kuczynski; \$680
Fritz V. Lenel; Rensselaer Polytechnic Institute; \$560

Golden Jubilee Congress, Hong Kong; September 8 to September 16, 1961:

Morton H. Fried; University of Michigan; \$850
Wilhelm G. Solheim II; Florida State University; \$850

Haldane Symposium (One Year; effective date 11/60):

Wallace O. Fenn; University of Rochester; \$10,000

Indian Science Congress, 48th Session, Roorkee, India; January 3 to January 9, 1961:

Harold F. Osborne; American Institute of Biological Sciences; \$1,750

Individual-Meeting of the Officers and Technical Committee Chairmen of the International Federation of Automatic Control, Oslo, Norway; March 20 to March 22, 1961:

Donald P. Eckman, Case Institute of Technology; \$545

International Biophysical Congress and International Pharmacological Meetings, Stockholm, Sweden; July and August 1961, and International Neurological Meetings, Rome, Italy; September 1961:

Eduardo Eidelberg; University of California; \$1,400

International Brain Research Organization, Paris, France; October 4 to October 7, 1960:

Mary A. B. Brasier; Massachusetts General Hospital; \$600

Donald B. Lindsay; University of California; \$650

Walter A. Rosenblith; Massachusetts Institute of Technology; \$600

Heinrich Waelsch; Columbia University; \$500

International Cloud Physics Conference, Canberra and Sydney, Australia; September 11 to September 20, 1961:

Roscoe R. Braham, Jr.; University of Chicago; \$1,425

Charles L. Hosler; Pennsylvania State University; \$1,500

James E. McDonald; University of Arizona; \$1,300

Morris Neiburger; University of California; \$1,230

J. Doyne Sartor; RAND Corp.; \$1,000

Vincent J. Schaefer; State University of New York; \$1,525

Bernard Vonnegut; Arthur D. Little, Inc., \$1,500

International Colloquium on the Mechanics of Turbulence, Marseilles, France; August 28 to September 2, 1961:

Donald Coles; California Institute of Technology; \$800

J. Keating; Brown University; \$600

Robert H. Kraichnan; New York University; \$650

Peter Damian Richardson; Brown University; \$260

Mahinder S. Uberoi; University of Michigan; \$610

International Colloquium on Shock Waves, Paris, France; August 28 to September 2, 1961:

John S. Rinehart; Colorado School of Mines; \$705

International Colloquium on Simplified Calculation Methods, Brussels, Belgium; September 4 to September 6, 1961:

Stefan J. Medwadowski; University of California; \$795

1961 International Colloquy for Methodology of Sciences, Warsaw, Poland; September 18 to September 23, 1961:

Max Black; Cornell University; \$705

Robert S. Mulliken; University of Chicago; \$475

Walter R. Thorson; Massachusetts Institute of Technology; \$475

International Committee for Biosystematic Terminology, Copenhagen, Denmark; September 7 to September 14, 1960:

Harlan Lewis; University of California, Berkeley; \$1,270

International Commission for Optics, Colloquium on Optical Materials, Paris, France; July 5 to July 14, 1961:

David Z. Robinson; \$750

International Committee for Paleozoic Microflora, Krefeld, Germany; May 11 to May 17, 1961:

G. K. Guennel; Indiana University; \$750

Robert M. Kosanke; University of Illinois; \$750

International Committee of the Histochemical Society, Paris, France; May 29 to May 31, 1961:

American Histochemical Society; University of Chicago; \$1,000

International Committee on Coal Petrology, Krefeld and Essen, Germany; May 15 to May 19, 1961:

William Spackman; Pennsylvania State University; \$750

International Conference on Cosmic Rays, Kyoto, Japan; September 7 to September 15, 1961:

Robert R. Brown; University of California; \$1,300

International Conference on Earth-Filled Dams and Fifth International Conference on Soil Mechanics and Foundation Engineering, Rome, Italy and Paris, France; July 10 to July 22, 1961:

Thomas E. Phalen, Jr.; Northeastern University; \$790

International Conference on Magnetism and Crystallography, Kyoto, Japan; September 25 to September 30, 1961:

Lawrence S. Bartell; Iowa State University; \$1,050

Russell A. Bonham; Indiana University; \$1,025

Lawrence O. Brockway; University of Michigan; \$600

Robert Brout; Cornell University; \$1,100

William Fuller Brown, Jr.; University of Minnesota; \$1,050

Kenneth Hedberg; Oregon State University; \$775

Clyde A. Hutchinson, Jr.; University of Chicago; \$1,050

Charles Kittel; University of California; \$850

George Fred Koster; Massachusetts Institute of Technology; \$1,150

Selmer Wilfred Peterson; Oak Ridge National Laboratory; \$850

George W. Pratt, Jr.; Massachusetts Institute of Technology; \$1,150

Clifford G. Shull; Massachusetts Institute of Technology; \$1,150

J. W. Stout; University of Chicago; \$1,050

Harry Suhl; University of California; \$850

Michael Tinkham; University of California; \$850

Michael Kennerly Wilkinson; Oak Ridge National Laboratory; \$940

International Conference on Microwave Measurement Techniques, London, England; September 6 to September 8, 1961:

Arthur A. Oliner; Polytechnic Institute of Brooklyn; \$485

International Conference on Science in the Advancement of New States; Rehovoth, Israel, August 15 to August 30, 1960:

Marshall H. Brucer; \$1,000

International Conference on Spectral Line Shape and Molecular Interactions, Rehovoth, Israel; August 28 to August 31, 1961:

Marvin B. Lewis; Northwestern University; \$1,100

Masataka Mizushima; University of Colorado; \$1,100

Albert Moscovitz; University of Minnesota; \$950

International Conference on the Teaching of Anthropology; Burg Wartenstein, Austria; August 9 to August 16, 1960:

Gabriel Ward Lasker; Wayne State University; \$725

International Congress of Biophysics, Stockholm, Sweden; July 31 to August 4, 1961:

Frank L. Campbell; National Academy of Sciences-National Research Council; \$35,000

International Congress on Analytical Chemistry, Budapest, Hungary; April 24 to April 29, 1961:

Louis Gordon; Case Institute of Technology; \$700

Philip W. West; Louisiana State University; \$700

1961 International Ethological Conference, Seewiesen, Germany; September 12 to September 22, 1961:

Richard J. Andrew; Yale University; \$390

George W. Barlow; University of Illinois; \$940

Frank A. Beach; University of California; \$1,200

Jocelyn Crane; New York Zoological Society; \$600

Vincent G. Dethler; University of Pennsylvania; \$550

William C. Dilger; Cornell University; \$760

Bernard S. Greenberg; Roosevelt University; \$770

Eckhard H. Hess; University of Chicago; \$800

Peter H. Klopfer; Duke University; \$840

Daniel S. Lehrman; Rutgers, The State University; \$700

Peter R. Marler; University of California; \$620

Robert A. McCleary; University of Michigan; \$930

Kenneth D. Roeder; Tufts University; \$600

Martin W. Schein; Pennsylvania State University; \$710

John P. Scott; Roscoe B. Jackson Memorial Laboratory; \$560

International Federation of Library Associations Committee on Union Catalogues and Interlibrary Loan; Malmö and Lund, Sweden; August 8 to August 11, 1960:

George A. Schwegmann, Jr.; Library of Congress; \$794

International Forum, Alpbach, Austria; August 18 to September 6, 1961:

Herbert Feigl; University of Minnesota; \$870

International Institute of Refrigeration, Cambridge, England; September 18 to September 19, 1961:

Carl F. Kaysan; Columbia University; \$485

International Institute of Refrigeration, Cambridge, England; September 18 to September 19, 1961, and International Conference on Heating, Ventilating and Air Conditioning, London, England; September 27 to October 4, 1961:

Burgess H. Jennings; Northwestern University; \$555

International Institute of Refrigeration, Paris, France; November 28 to November 30, 1960:

Richard C. Jordan; University of Minnesota; \$550

International Ophthalmic Optical Congress, London, England; July 5 to July 12, 1961:

- Merrill J. Allen; Indiana University; \$920
 V. J. Ellerbrock; Ohio State University; \$550
- International Standards Organization, Helsinki, Finland; June 5 to June 17, 1961: John R. Townsend; National Bureau of Standards; \$906
- International Symposium on Fundamental Problems in Turbulence and Their Relation to Geophysics, Marseilles, France, September 4 to September 9, 1961: Alfred K. Blackadar; Pennsylvania State University; \$750
 Ralph Bolgiano, Jr.; Cornell University; \$900
 Hans A. Panofsky; University of Minnesota; \$750
 Willard J. Pierson, Jr.; New York University; \$568
 Donald J. Portman; University of Michigan; \$800
 H. Kenneth Wiskind; Johns Hopkins University; \$700
- International Symposium on Numerical Weather Prediction; Tokyo, Japan, November 7, 1960 to November 13, 1960: Mariano A. Estoque; University of Hawaii; \$700
 George K. Morikawa; New York University; \$1,125
 Jerome Spar; New York University; \$1,125
- International Symposium on Substance P, Sarajevo, Yugoslavia; June 9 to June 10, 1961: William A. Krivoy; Baylor Medical College; \$1,100
- International Union of Crystallography Commission on Crystallographic Computing, Frankfurt, Germany; June 12 to June 16, 1961: G. A. Jeffrey; University of Pittsburgh; \$600
 David P. Shoemaker; Massachusetts Institute of Technology; \$575
- Inter-Union Committee on Radio Meteorology, Paris, France; April 5 to April 7, 1961: Alan T. Waterman, Jr.; Stanford University; \$1,002
- IUCN-CCTA Conference on Conservation of Nature and Natural Resources in Modern African States, Arusha, Tanganyika; September 5 to September 12, 1961: Helmut K. Buechner; Washington State University; Lecture and Visit Five Laboratories in the Moscow and Rostov Regions, U.S.S.R.; April 17 to April 28, 1961; \$1,370
 Bruce W. Gonser, Battelle Memorial Institute; \$1,230
- Mass Spectrometry Conference, Oxford, England; September 12 to September 15, 1961: Frank A. Long; Cornell University; \$526
- Mathematical Knowledge Required by the Physicist and Engineer, Lyons, France; February 14 to February 17, 1961: George F. Carrier; Harvard University; \$500
- Mathematical Meetings in Conjunction with 150th Anniversary of the Argentine Independence; Buenos Aires, Argentina, September 22 to September 27, 1960: Emil Grosswald; University of Pennsylvania; \$1,050
- Mathematical Workshop, Bonn, Germany; June 16 to June 23, 1961: Joseph J. Kohn; Brandeis University; \$575
 Harold I. Levine; Brandeis University; \$1,050
 Richard S. Palais; Brandeis University; \$575
- Maxwell Colour Centenary, London, England; May 17 to May 19, 1961: Harry Helson, University of Texas; \$950
- Meeting of the Association of Physiologists and Pharmacologists of India, Hyderabad, India; December 1960: Russell A. Huggins; Baylor University; \$2,000
- Meeting of the Bureau of the International Union for History and Philosophy of Science; Paris, France, December 1 to December 10, 1960: Stephen Cole Kleene; University of Wisconsin; \$630
 Patrick Suppes; Stanford University; \$760
- Meeting of Executive Board and General Assembly, ICSU, Bureau IUHPS, London, England; September 19 to September 29, 1961: Stephen C. Kleene; University of Wisconsin; \$585
- Meeting of the Executive Committee of the International Brain Research Organization, Paris, France; September 3 to September 5, 1961: Heinrich Waelsch; Columbia University; \$830
- Meeting of the Executive Committee of the International Union on Theoretical and Applied Mechanics, Marseilles, France; September 1 to September 7, 1961: Nicholas J. Hoff; Stanford University; \$580
- Meeting of Soviet Mathematicians, Leningrad, U.S.S.R.; July 13 to July 16, 1961: Herbert Busemann; University of Southern California; \$1,300
- Meetings of the Agrupacion Rioplatense de Logica y Filosofia Cientifica; Buenos Aires, Argentina, October 3 to October 14, 1960: Hector Neri Castaneda; Wayne State University; \$670
- Meetings of Regional and National Units of the International Biometric Society; July 1961-July 1962: Chester I. Bliss; Connecticut Agricultural Experiment Station; \$1,500
- Microbial Reaction to Environment, London, England; April 11 to April 12, 1961: Harry W. Seeley, Jr.; Cornell University; \$600
- Modern Methods of Analysis and Synthesis of Electrical Networks, Prague, Czechoslovakia; September 4 to September 9, 1961: Norman Balabanian; Syracuse University; \$635
- NATO Advanced Study Institute, Riso, Denmark; August 1 to August 13, 1960: Lawrence W. Fagg; Atlantic Research Corporation; \$600
 Edward G. Harris; University of Tennessee; \$80

NATO Advanced Study Institute, Varenna, Italy; August 1 to August 17, 1960:

John B. Cicchetti; Waterbury, Connecticut; \$565

NATO Advanced Study Institute; Edinburgh, Scotland; August 1 to August 21, 1960:

William R. Frazer; University of California; \$700

NATO Advanced Study Institute; Kjeller, Norway; August 22 to September 3, 1960:

James A. Merrill; Phillips Petroleum Company; \$870

NATO Advanced Study Institute, Manchester, England; August 29 to September 9, 1960:

Anton N. J. Heyn; Virginia Institute for Scientific Research; \$335

NATO Advanced Study Institute; Glasgow, Scotland; September 5 to September 19, 1960:

G. Robert DiMarco; Rutgers, The State University; \$525

Irwin E. Liener; University of Minnesota; \$565

NATO Advanced Study Institute; Ispra (Varese), Italy; September 5 to September 24, 1960:

John M. Worlock; Cornell University; \$620

Ralph O. Simmons; University of Illinois; \$690

NATO Advanced Study Institute; Göttingen, Germany; September 12 to September 24, 1960:

George Gorin; Oklahoma State University; \$770

Earl Usdin; New Mexico Highlands University; \$540

NATO Advanced Study Institute; Mariensee, Germany; September 14 to September 28, 1960:

Robert Woodbury Bray; University of Wisconsin; \$610

Jay L. Lush; Iowa State University; \$720

Neurological Congresses, Rome, Italy; Munich, Germany; and Paris, France; July and September, 1961:

James L. O'Leary; Washington University; \$7,700

9th Congress, International Association for Hydraulic Research, Belgrade, Yugoslavia; September 3 to September 7, 1961:

George Bugliarello; Carnegie Institute of Technology; \$720

John S. McNown; University of Kansas; \$670

Ninth International Congress of Photogrammetry; London, England; September 5 to September 17, 1960:

Albert A. Blank; Institute of Mathematical Sciences; \$675

Frederick J. Doyle; Broadview Research Corporation; \$270

Arthur J. McNair; Cornell University; \$550

Ninth International Towing Tank Conference; Paris, France; September 8 to September 16, 1960:

John P. Breslin; Stevens Institute of Technology; \$490

Obtaining and Exchanging Information on Chinese Science; London, England; March 4 to March 27, 1961:

G. Raymond Nunn; University of Michigan; \$870

OECC Conference on Technical Education and Industry, Baden-Baden, Germany; April 11 to April 13, 1961:

Henry H. Armsby; U.S. Department of Health, Education, and Welfare; \$940

Organizing Committee for Tenth Congress of F.I.G., Bern, Switzerland; June 8 to June 14, 1961:

B. Austin Barry; Manhattan College; \$590

George C. Bestor; \$895

Plenary Meeting of the International Committee for Social Sciences Documentation, London, England; March 23 to March 25, 1961:

Henry J. Dubester; Library of Congress; \$831

Polish Academy of Sciences, Krakow, Poland; June 25 to July 10, 1961:

Arthur B. Sweney; University of Illinois; \$775

Preparatory Meeting for "Systematic Investigation of Europe's Needs for Education in Relation to Economic Growth," Copenhagen, Denmark; September 19 to September 21, 1960:

Seymour E. Harris; Harvard University; \$900

Presentation of Lectures in X-ray Micro-analytical Techniques, Cambridge, England; July 24 to August 4, 1961:

Robert E. Ogilvie; Massachusetts Institute of Technology; \$425

Primary and Elementary Processes in Living Cells Initiated by Ionizing Radiations, Moscow; October 18 to October 22, 1960:

Ernest Charles Pollard; Yale University; \$1,000

Cornelius A. Tobias; University of California; \$1,200

1961 Quantum Chemistry Conference, Oxford, England; April 10 to April 15, 1961:

Michael J. S. Dewar; University of Chicago; \$475

Radiation Effects in Inorganic Solids, Sceaux, France; April 11 to April 12, 1961:

John E. Werts; University of Minnesota; \$650

Reviewing Progress in Meteorology; Moscow, Russia; August 6 to August 13, 1960:

Sverre Petterssen; University of Chicago; \$370

The Rutherford Jubilee, International Conference, Manchester, England; September 4 to September 8, 1961:

Tom W. Bonner; William Marsh Rice University; \$650

Bernard L. Cohen; University of Pittsburgh; \$650

Second British Congress on the History of Medicine, London, England; September 28 to September 29, 1961:

Allen G. Debus; Harvard University; \$660

Second Conference on Clay Mineralogy and Petrography, Prague, Czechoslovakia; May 10 to May 17, 1961:

Joe Lloyd White; Purdue University; \$750

Second International Conference of Human Genetics, Rome, Italy; September, 1961:

- American Society of Human Genetics; C. C. Li (Director); \$15,300
- Second International Conference on Operational Research; Aix-en-Provence, France; September 5 to September 10, 1960:
 Russell L. Ackoff; Case Institute of Technology; \$625
 C. West Churchman; University of California; \$700
 Maurice D. Kilbridge; University of Chicago; \$350
 John B. Lathrop; Lockheed Aircraft Corp.; \$300
 Taylor D. Lewis; Cornell University; \$115
- Seminar on East Asian Area Seismology and Earthquake Engineering, Tokyo, Japan; July 18 to July 25, 1961:
 Perry Byerly; University of California; \$1,450
 George W. Housner; California Institute of Technology; \$1,450
- Seminar on Fast and Intermediate Reactors, Vienna, Austria; August 3 to August 11, 1961:
 Paul F. Zweifel; University of Michigan; \$640
- 7th Inter-American Congress of Sanitary Engineering, Montevideo, Uruguay; October 2 to October 9, 1960:
 John Alexander Logan; Northwestern University; \$950
 P. H. McGahey; University of California; \$791
- Seventh International Conference on Cosmic Rays and International Symposium on the Earth Storm, Kyoto, Japan; September 4 to September 15, 1961:
 R. Grant Athay; High Altitude Observatory; \$1,000
 Robert B. Brode; University of California; \$1,100
 Joseph W. Chamberlain; University of Chicago; \$1,025
 Robert L. Chasson; University of Nebraska; \$1,000
 Giuseppe Cocconi; Cornell University; \$1,100
 John R. Green; University of New Mexico; \$1,000
 Kenneth Grelsen; Cornell University; \$1,100
 John Linsley; Massachusetts Institute of Technology; \$1,020
 John A. Lockwood; University of New Hampshire; \$1,150
 Sadami Matsushita; High Altitude Observatory; \$1,000
 Peter Meyer; University of Chicago; \$1,050
 Victor H. Regener; University of New Mexico; \$1,000
 John A. Simpson; University of Chicago; \$1,050
 William F. G. Swann; Bartol Research Foundation of The Franklin Institute; \$1,150
 Anthony R. Thompson; Harvard University; \$1,000
 Robert W. Thompson; University of Chicago; \$1,050
- 7th International Congress on Large Dams, Rome, Italy; June 26 to July 1, 1961:
 T. W. Mermel, U.S. Department of the Interior; \$650
- Olgierd C. Zienkiewicz; Northwestern University; \$690
- 17th Assembly, International Commission for the Scientific Exploration of the Mediterranean Sea, Monaco; December 12 to December 17, 1960:
 William Herbert Littlewood; U.S. Department of State; \$325
- Sixth Congress, International Association on Quaternary Research, Warsaw, Poland; September 2 to September 7, 1961:
 Robert F. Black; University of Wisconsin; \$700
 Wallace S. Broecker; Columbia University; \$650
 Edward S. Deevey; Yale University; \$650
 David B. Ericson; Columbia University; \$650
 Richard Foster Flint; Yale University; \$650
 David G. Frey; Indiana University; \$750
 Sheldon Judson; Princeton University; \$175
 John F. Lance; University of Arizona; \$900
 Morris M. Leighton; Illinois Geological Survey; \$650
 Paul S. Martin; University of Arizona; \$900
 John P. Miller, Harvard University; \$650
 Ernest H. Muller; Syracuse University; \$650
 Gerald M. Richmond; U.S. Department of the Interior; \$300
 Gene A. Rusnak; University of Miami; \$800
 Richard J. Russell; Louisiana State University; \$800
 C. Bertrand Schultz; University of Nebraska; \$800
 Terah L. Smiley; University of Arizona; \$900
 H. T. U. Smith; University of Massachusetts; \$650
 Herbert E. Wright, Jr.; University of Minnesota; \$750
- The VI International INQUA Congress, Warsaw, Poland; August 28 to September 7, 1961:
 Ralph S. Solecki; Columbia University; \$770
 Rose L. Solecki; Columbia University; \$770
 H. M. Wormington; Denver Museum of Natural History; \$950
- Sixth International Nematology Symposium, Ghent, Belgium; July 24 to July 28, 1961:
 Richard A. Rohde; University of Massachusetts; \$525
 M. L. Schuster; University of Nebraska; \$700
- Solvay Congress, Brussels, Belgium; October 8 to October 13, 1961:
 Tsung-Dao Lee; Institute for Advanced Study; \$830
 Chen Ning Yang; Institute for Advanced Study; \$830
- Southampton Mathematical Conference, Southampton, England; April 12 to April 21, 1961:
 Henry Swain; New Trier Township High School; \$800

- To Study Japanese Progress and Development in all Phases of Science Abstracting and Indexing, Japan; June 13 to June 30, 1961:
National Federation of Science—Abstracting and Indexing Services; \$8,326
- Subcommission 6C (Biology and Medicine) of the International Institute of Refrigeration, Belgrade, Yugoslavia; May 1961:
Isidore Gersh; University of Chicago; \$750
- Summer Courses on New Programs in Chemistry for Secondary Schools, Dublin, Ireland; July 3 to July 29, 1961:
Wendell H. Taylor; Lawrenceville School; \$690
Robert Tellerfesen; Napa High School; \$920
- Symposium of the Research Film Section of the International Scientific Film Association, Göttingen, Germany; June 7 to June 9, 1961:
Leslie P. Greenhill; Pennsylvania State University; \$938
Randall M. Whaley; Wayne State University; \$955
- Symposium on Antigen-Antibody Reactions, Monte Carlo, Monaco; April 30 to May 5, 1961:
Joseph W. Noah; Washington University School of Medicine; \$700
Abram B. Stavitsky; Western Reserve University; \$700
Zoltan Ovary; New York University School of Medicine; \$700
- Symposium on Atmospheric Ozone, Arosa, Switzerland; August 6 to August 13, 1961:
Julius London; New York University; \$750
- Symposium on Boolean Algebras and Measure Theory, Oberwolfach, Germany; July 30 to August 4, 1961, and International Colloquium on the Concept of Foundations, Warsaw, Poland; September 18 to September 23, 1961:
Alfred Tarski; University of California; \$900
- Symposium on Changes of Climate with Special Reference to the Arid Zones, Rome, Italy; October 2 to October 7, 1961:
Fred Wendorf; Museum of New Mexico; \$1,020
- Symposium on Crack Propagation, Cranfield, England; September 25 to September 29, 1961:
John J. Gilman; Brown University; \$500
- Symposium on the Detection and Use of Tritium in the Physical and Biological Sciences, Vienna, Austria; May 3 to May 10, 1961:
Lloyd A. Currie; Pennsylvania State University; \$625
Paul Y. Feng; Armour Research Foundation, Illinois Institute of Technology; \$675
- Symposium on Electrical Machine Design, Coimbatore, India; October 25 to October 28, 1960:
Paul D. Agarwal; University of Massachusetts; \$1,180
- Symposium on Electroretinography, Stockholm, Sweden; May 31 to June 3, 1961:
Hermann M. Burlan; State University of Iowa; \$1,100
- Symposium, European Committee on Liaison for Cellulose and Paper, Oxford, England; September 25 to September 29, 1961:
Alfred H. Nissau; Rensselaer Polytechnic Institute; \$545
- Symposium on Flow Measurement in Closed Conduits; Glasgow, Scotland, September 27 to September 30, 1960:
Kenneth John Bell; Case Institute of Technology; \$510
A. R. Chamberlain; Colorado State University; \$660
Steponas Kolupaila; University of Notre Dame; \$540
- Symposium on Function Theory, Tokyo, Japan; June 5 to July 21, 1961:
Maurice Heins; University of Illinois; \$1,200
- Symposium on General Topology and Its Relations to Modern Analysis and Algebra, Prague, Czechoslovakia; September 1 to September 8, 1961:
Richard Arens; University of California; \$875
R. H. Bing; University of Wisconsin; \$725
Leonard Gillman; University of Rochester; \$650
Edwin Hewitt; University of Washington; \$875
John R. Isbell; University of Washington; \$875
Victor L. Klee, Jr.; University of Washington; \$875
Ernest A. Michael; Institute for Advanced Study; \$700
Edwin E. Moise; Harvard University; \$600
A. H. Stone; University of Rochester; \$650
- Symposium on Injection Grout for Prestressed Concrete, Trondheim, Norway; January 5 to January 7, 1961:
Milos Polivka; University of California; \$770
- Symposium on the Mechanical Resistance of Glass and Methods of Amelioration, Florence, Italy; September 26 to September 29, 1961:
Eugene F. Poncelet; Stanford Research Institute; \$890
- Symposium on Phase Transformations in Metals and Alloys, Melbourne, Australia; November 10 and November 11, 1960:
David S. Lieberman; University of Illinois; \$1,250
- Symposium on Radiation Effects and Milieu, Montreux, Switzerland; May 29 to June 3, 1961:
Theodor M. Fliedner; Washington University School of Medicine; \$700
Anna R. Whiting; University of Pennsylvania; \$600
- Symposium on Radioisotopes and Radiation in Entomology, Bombay, India; December 5 to December 9, 1960:
Wayne Arthur; Auburn University; \$2,200
John Edward Casida; University of Wisconsin; \$2,200
Theodore L. Hopkins; Kansas State University; \$2,300

Symposium on Shell Research, Delft, Holland; August 30 to September 2, 1961:

David P. Billington; Princeton University; \$525

Howard P. Harrenstien; University of Arizona; \$775

Dicran Goulian, Jr.; \$900

Theodore S. Hauschka; Roswell Park Memorial Institute; \$1,000

Nathan Kalliss; Roscoe B. Jackson Memorial Laboratory; \$1,200

Felix Milgrom; University of Buffalo School of Medicine; \$1,100

Jack H. Stimpfling; Roscoe B. Jackson Memorial Laboratory; \$1,200

Leandro M. Tocantins; Jefferson Medical College; \$1,050

Tenth Pacific Science Congress, Honolulu, Hawaii; August 21 to September 6, 1961:

National Academy of Sciences—National Research Council; \$65,000

Third International Association for Analog Computation, Belgrade, Yugoslavia; September 4 to September 9, 1961:

Granino Arthur Korn; University of Arizona; \$930

Third International Congress of Automobile Traffic, Paris, France; September 11 to September 16, 1961:

Daniel L. Gerlough; National Academy of Sciences—National Research Council; \$555

Third International Congress of Dietetics, London, England; July 10 to July 14, 1961:

Sidney S. Negus; Medical College of Virginia; \$845

Third International Congress of Surface Activity, Cologne, Germany; September 12 to September 17, 1960:

A. C. Zettlemoyer; Lehigh University; \$500

Third International Symposium on Comparative Endocrinology, Tokyo, Japan; June 6 to June 10, 1961:

American Institute of Biological Sciences; Hiden T. Cox (Director); \$15,900

Third Symposium of the Society for the Study of Human Biology, London, England; November 14 to November 21, 1960:

Stanley M. Gartler; University of Washington; \$900

XIII International Phytogeographical Excursion, Finland & Northern Norway; July 13 to August 5, 1961:

Stanley A. Cain; \$1,035

William A. Weber; University of Colorado; \$1,200

33rd Session, International Statistical Institute, Paris, France; August 28 to September 7, 1961:

Herbert Solomon; Stanford University; \$700

Leo Breiman; University of California; \$800

Benjamin Epstein; \$800

Emil J. Gumbel; Columbia University; \$550

Richard E. Quandt; Princeton University; \$525

To give lectures at Hebrew University, in Jerusalem, Israel, during the fall of 1960:

Roger C. Lyndon; University of London, England; \$500

Travel to The International Union of Forestry Research Organizations, Vienna, Austria; September 1961:

Henry Clepper; Society of American Foresters; \$10,000

25th Anniversary Congress, Japanese Chemical Engineers Society, Tokyo, Japan; November 6 to November 15, 1961:

R. B. Bird; University of Wisconsin; \$985

H. C. Hottel; Massachusetts Institute of Technology; \$1,070

W. R. Marshall, Jr.; University of Wisconsin; \$985

Theodore Vermeulen; University of California; \$785

R. H. Wilhelm; Princeton University; \$1,070

C. R. Wilke; University of California; \$785

William E. Ranz; University of Minnesota; \$985

J. Henry Rushton, Purdue University; \$985

Frank M. Tiller; University of Houston; \$950

U.S.S.R. Commission for the Determination of the Age of Rocks, Kiev, U.S.S.R.; May, 1961:

Henry Faul; Mineralogisch-petrographisches Institut der Universität Bern; \$400

United Nations Conference on New Sources of Energy, Rome, Italy; August 21 to August 31, 1961:

Raymond W. Bliss, Jr.; University of Arizona; \$1,050

D. K. Edwards; University of California; \$1,050

Werner Norbert Grune; Georgia Institute of Technology; \$850

Rudolph J. Marcus; Stanford Research Institute; \$1,050

James Raymond McNitt; California Division of Mines; \$1,050

Sverre Petterssen; University of Chicago; \$900

Sidney W. Wilcox; Arizona State University; \$1,050

Visiting the Czechoslovak Academy of Science, Prague, Czechoslovakia; Spring of 1961:

Hubert A. Lechevallier; \$925

World Association of Veterinary Anatomists, Vienna, Austria; September, 1961:

American Association of Veterinary Anatomists; \$4,600